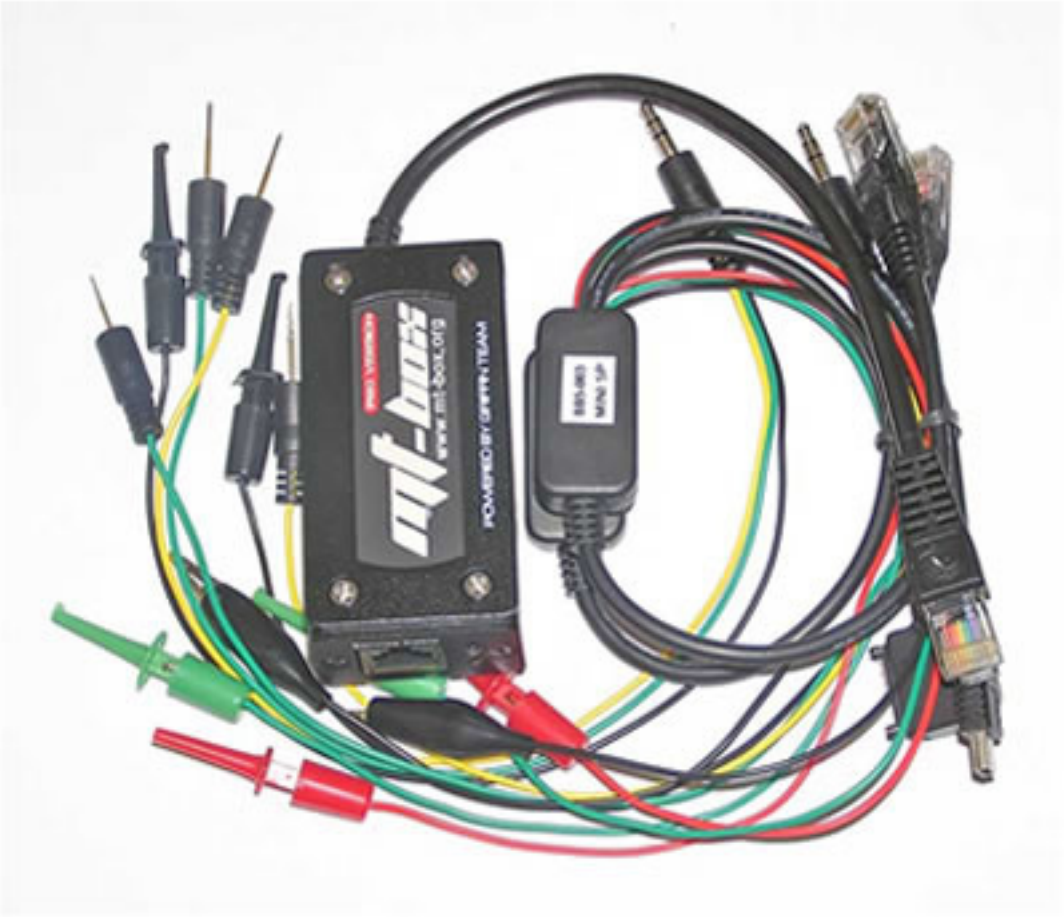
MT box PRO test point adapter - NOKIA BB5 unlock user manual v3.1

Supported phones

- 3109c
- 3110c
- 3250
- 5200
- 5200b
- 5300
- 5300b
- 5500
- 6085
- 6086
- 6125
- 6126
- 6131
- 6133
- 6136
- 6151
- 6233
- 6234
- 6270
- 6280
- 6288
- 6300
- 6300b
- 6630
- 6680
- 6681
- 7370
- 7373
- 7390
- 8600
- E50
- E60
- E61
- E62
- E65
- N70
- N71
- N72
- N73
- N75
- N80
- N91
- N93
- N95



The box package

The box package contain:

- MT box PRO test point adapter
- Test point SMALL cable
- Test point BIG cable
- DKU-2 test point cable
- Mini USB test point cable

Description:

MT box PRO test point adapter

The adapter need to be connected DIRECTLY to MT box Nokia without any adapter

TP - there you connect BIG or SMALL test point cable supplied with box
Service Cable - there you connect DKU-2 or MINI USB cable supplied with box

Test point SMALL cable

The SMALL cable need to be used when you unlock phones with CPU line test points

Black wire - GND
Yellow wire - CLK
Green wire - DATA

Test point BIG cable

The BIG cable need to be used when you unlock phones with NORMAL test points

Black wire - GND
Yellow wire - CLK
Green wire - DATA

DKU-2 test point cable

Need to be used with phones who have POP cable connector

Black wire - GND
Green wire - BSI
Red wire - VBAT (+ battery pin)

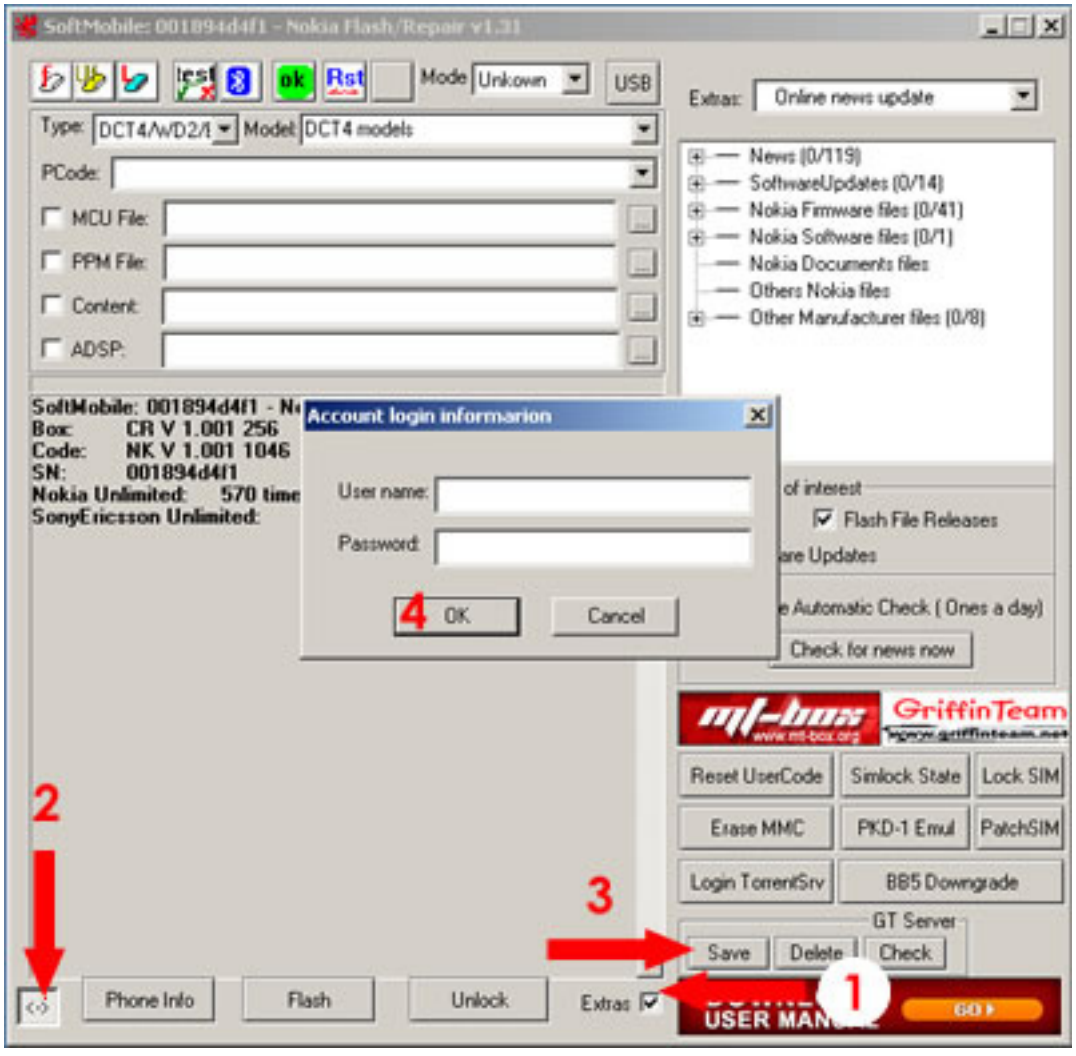
Mini USB test point cable

Need to be used with phones who have small USB connector

Black wire - GND
Green wire - BSI
Red wire - VBAT (+ baterry pin)

How to start and unlock

Download and install MT box Nokia software
Connect MT box Nokia to USB
Start MT box software
Go to Automatic action while flash tab and enable :
- BB5 308 backup PM
- BB5 IMEI backup
- LogFile: mtb_nk_yoursn_log.txt



Follow steps from 1 to 4 like on above image to enter your login details
To receive server login details please contact your reseller
Connect MT box PRO test point adapter directly to MT box Nokia without any adapter
Connect DKU or MINI USB cable to MT box PRO test point adapter connector (SERVICE CABLE)
Connect BIG or SMALL test point cable to MT box PRO test point adapter connector (TP)
Please be careful with test point needles and dot let them to make any shortcut
Disassembly the phone and prepare PCB to connect test points

Connecting SERVICE CABLE to phone

Connect BLACK pin to GND
Connect GREEN pin to BSI
Connect RED pin to VBAT battery connector + pin

The phone need to be in Local mode
Press Phone info button to check it is phone in local mode
If the phone is not in local mode the software cant read info, take the tweezers and make for short time shortcut on phone power button (to simulate real power button)
Press Phone info again to check it is all ok now, if yes go to next step
Press SimLock state button to check sim lock status on your phone
Press Check account button to check it is internet connection between MTB NK software and Griffin Server ok and how many logs you have on your account

Connecting TP cable to phone

Connect BLACK pin to phone GND (near and better is possible to phone CPU)
Press UNLOCK button, then connect the rest two test points
Connect YELLOW pin to CLK test point
Connect GREEN pin to DATA test point
Please wait to software finish
The operation is very short
Remove YELLOW and GREEN test points
Now press SimLock state again to check it is phone unlocked or no
If the phone is not unlocked just repeat procedure

If you have any problem fill free to post on support forum:

http://forum.gsmhosting.com/vbb/showthread.php?t=409110

Error description

Customer:
I try to unlock pone but server is down, give me this message:

busy, waiting...
e/399/mt boxid error;

Server error

Answer:
The server is not down, this message you got when try to use another MT box Nokia with your BB5 server account. The first MT box Nokia which is connected with your BB5 server account can be used only. Every BB5 account can have maximum 1 MT box Nokia registered to it. Registration process is automatically with first your login.

Customer:
I try to unlock phone but have this error:

busy, waiting...
e/401/command execution error;

Server error

Answer:
This mean you try to unlock unsupported phone version.
Please flash your phone to any supported version then unlock it.

Customer:
I try to unlock phone but got this error:

Connect TPs(D1)
box error
!!!!!!BOX ERROR!!!!!

Answer:
Reconnect box and restart software. If this not help then there is not enough power on USB for all connected devices. If this not help please try to push MT box Pro cable connector to MT box Nokia , maybe its not good connected or not have *** contact between the pins. If this also not help please add power supply to MT box Nokia using Nokia phone charger ACP-12. If all this not help you please check pin 1 and pin 10 on your MT box Nokia, it need to be in same level with other pins.

Customer:
I try to unlock, my credits and phone is not unlocked. How about this?

Answer:
In case you clicked "UNLOCK", the credit has been used by the server, but you haven't lost anything. Full-flash the phone using one of the versions specified in the list mentioned above, then unlock the phone again (of course by using TP) and the phone will be unlocked without you losing any credits, this because the server counts the IMEI of the phones you attempt to unlock before and remembers the fact that you couldn't unlock it. Using this method you will have an unlocked phone by using a single credit, without you losing anything.

Customer:
I check Sim lock and there is info:

V 05.92/07-09-06/RM-78 (c) Nokia
IMEI: 3593820000xxxxx
Operator: 8000000000000006
Profile bits: 2320100000000000
Closed on Mcc Mnc: 23201F
Counters 10/10, 0/3

Its that phone unlockable?

Answer:
Yes its unlock able, but you must write backup of 308 field back to phone.
In case you dont have backup must make RPL to reset counter to factory default state 0/10, 0/3.

Customer:
What this mean?

Counters 0/10, 0/3

Answer:
0/10 its FBUS code counter in this case there is no any attempt used
0/3 its Key code counter in this case there is no any attempt used
10/10 is when all attempt is used and phone is not unlock able until you write backup 308 field back to original state or make RPL
3/3 is unlock able and no need to do any action

Customer:
I have problem to unlock my phone, this is the operator code, i read it using SIM lock state button:

Closed on Mcc Mnc: 334020

Answer:
The phones which have 6 digits operator code cant be unlocked at the moment.
Please check phone sim lock state before you try to unlock the phone, it will save your credits.

Customer:

I try to unlock phone but got this error:

Connect TPs(D1)
TPs OK
TESTPOINT FAILED
TESTPOINT FAILED

Answer:

If errors after TP ok you need to short GND(black) and DATA(green) on a TP cable 2 times and all will be ok.

How to unlock phones for free?

You must have valid BB5 account minimum 1 credit and no CHANGE REVISION supported
To activate FREE versions add in griffin.ini " revision=F "

- Close MTB NK 1.37 software
- Go to C:\Program Files\GriffinTeam\MT-Box\
- Open Griffin.ini add this data to interface options " revision=F " :

For example:

[interface_options]
revision=F
extras=1
extras_index=1
RPL_208=0
LogToFile=0
FlsaDisplayDetail=0
ProductProfile=1
GprsSettings=1
NvdAccess=1
AutoUnlock=0
UpdateProductCode=0
ResetUserCode=0
NvdNvd=1
SkipBluetooth=0
FactoryDefaultSettings=1

- Save ini file
- Start MTB NK software v1.37

NOTE:

Please READ carefully - no credits back in situation "i forget to check version", "i forget to add REVISION=F" etc .....
Edit Griffin.ini only when you need to unlock models which is supported without logs.
If you need to unlock models and versions which need logs, need to remove "revision=F"

Supported phone models and versions

3109c
V_05.30_16-05-07_RM-274_(c)_Nokia

3110c
V_05.01_21-05-07_RM-237_(c)_Nokia
V_04.91_03-04-07_RM-237_(c)_Nokia

3250
V__04.21_16-02-07_RM-38_(c)_Nokia
V__03.23_24-05-06_RM-38_(c)_Nokia

5200
V_03.70_22-09-06_RM-174_(c)_Nokia
V_03.92_13-10-06_RM-174_(c)_Nokia
V_04.71_28-02-07_RM-174_(c)_Nokia
V_05.00_27-04-07_RM-174_(c)_Nokia

5200b
V_03.70_22-09-06_RM-181_(c)_Nokia
V_03.92_13-10-06_RM-181_(c)_Nokia
V_04.71_28-02-07_RM-181_(c)_Nokia
V_05.00_27-04-07_RM-181_(c)_Nokia

5300
V_03.92_13-10-06_RM-146_(c)_Nokia
V_04.70_24-01-07_RM-146_(c)_Nokia
V_04.71_28-02-07_RM-146_(c)_Nokia
V_05.00_27-04-07_RM-146_(c)_Nokia

5300b
V_03.92_13-10-06_RM-147_(c)_Nokia
V_04.70_24-01-07_RM-147_(c)_Nokia
V_04.71_28-02-07_RM-147_(c)_Nokia
V_05.00_27-04-07_RM-147_(c)_Nokia

5500
V_03.55_23-11-06_RM-86_(c)_Nokia

6085
V_03.71_30-11-06_RM-198_(c)_Nokia
V_04.26_16-03-07_RM-198_(c)_Nokia

6086
V_03.51_15-02-07_RM-188_(c)_Nokia

6125
V_03.71_31-05-06_RM-178_(c)_Nokia

6126/6133
V_04.24_04-07-06_RM-126_(c)_Nokia
V_05.61_14-12-06_RM-126_(c)_Nokia

6131
V_05.50_20-09-06_RM-115_(c)_Nokia
V_06.10_16-02-07_RM-115_(c)_Nokia

6136
V_03.71.2_12-09-06_RM-199_(c)_Nokia

6151
V_04.10_21-12-06_RM-200_(c)_Nokia
V_03.91_25-09-06_RM-200_(c)_Nokia

6233
V_04.52_06-07-06_RM-145_(c)_Nokia
V_03.70_15-05-06_RM-145_(c)_Nokia
V_04.54_01-08-06_RM-145_(c)_Nokia
V_04.91_25-09-06_RM-145_(c)_Nokia
V_05.10_21-12-06_RM-145_(c)_Nokia

6234
V_03.70_15-05-06_RM-123_(c)_Nokia
V_04.52_06-07-06_RM-123_(c)_Nokia
V_04.54_01-08-06_RM-123_(c)_Nokia
V_04.91_25-09-06_RM-123_(c)_Nokia
V_05.10_21-12-06_RM-123_(c)_Nokia

6270
V_03.53_15-11-05_RM-56_(c)_Nokia
V_03.85_08-11-06_RM-56_(c)_Nokia

6280/6288
V_06.43_30-03-07_RM-78_(c)_Nokia
V_06.10_21-12-06_RM-78_(c)_Nokia
V_05.96_29-11-06_RM-78_(c)_Nokia
V_05.94_14-11-06_RM-78_(c)_Nokia
V_05.92_07-09-06_RM-78_(c)_Nokia
V_03.81_09-05-06_RM-78_(c)_Nokia
V_03.70_28-03-06_RM-78_(c)_Nokia
V_03.65_22-03-06_RM-78_(c)_Nokia
V_03.60_10-02-06_RM-78_(c)_Nokia
V_03.40_20-12-05_RM-78_(c)_Nokia
V_03.36_05-12-05_RM-78_(c)_Nokia

6300
V_04.20_05-12-06_RM-217_(c)_Nokia
V_04.70_24-01-07_RM-217_(c)_Nokia
V_04.71_28-02-07_RM-217_(c)_Nokia
V_05.00_27-04-07_RM-217_(c)_Nokia
V_04.71_28-02-07_RM-217_(c)_Nokia
V_05.00_27-04-07_RM-217_(c)_Nokia

6300b
V_04.20_05-12-06_RM-222_(c)_Nokia
V_04.70_24-01-07_RM-222_(c)_Nokia
V_04.71_28-02-07_RM-222_(c)_Nokia
V_04.71_28-02-07_RM-222_(c)_Nokia
V_05.00_27-04-07_RM-222_(c)_Nokia

6630
V_04WK47_M_V14.2_27-09-06_RM-1_(c)_Nokia
V_04WK47_M_V14_09-02-06_RM-1_(c)_Nokia
V_04WK47_M_V5_17-08-05_RM-1_(c)_Nokia

6680
V_04WK47_M_V14_09-02-06_RM-36_(c)_Nokia
V_04wk47_m_v14.2.1_09-11-06_RM-36_(c)_Nokia

7370
V_04.13_16-05-06_RM-70_(c)_Nokia

7373
V_03.90_06-10-06_RM-209_(c)_Nokia
V_04.70_24-01-07_RM-209_(c)_Nokia
V_04.71_28-02-07_RM-209_(c)_Nokia

7390
V_03.84_23-10-06_RM-140_(c)_Nokia

8600 Luna
V_03.52_24-05-07_RM-164_(c)_Nokia

E50
V_3.37.23_11-10-06_RM-170_(c)_Nokia, MCU: RM170p_06413.C01
V_3.37.23_11-10-06_RM-171_(c)_Nokia, MCU: RM171p_06413.C01
V_2.26.01_04-07-06_RM-170_(c)_Nokia, MCU: RM170p_06271.C01 (RM-170_EMEA_LTA_DP2.0_v1.0_SW06.27.01.exe)
V_2.26.01_04-07-06_RM-171_(c)_Nokia, MCU: RM171p_06271.C01 (RM-171_EMEA_LTA_DP2.0_v1.0_SW06.27.01.exe)

E60
V_1.0533.47.12_28-03-06_RM-49_(c)_Nokia
V_2.0533.47.5_26-06-06_RM-49_(c)_Nokia

E61
V_3.0533.6_31-10-06.RM-89_(c)_Nokia, MCU: rm89_m128_h20_ks_prod_306330904_c00_combined.bin

E62
Vp_2.0618.06.17_10-08-06_RM-88_(c)_Nokia, MCU: rm88_18.06.17.c00 (Nokia_Firmware_RM-88_DP1.0_APAC_18.06.17.exe)

E65
V_1.0615.25_10-01-07_RM-208_(c)_Nokia, MCU: rm208_m128_h20_ka_prod_106331801_c00_combined.bin, install: Nokia_firmware_RM-208_apac_1.0633.18.01_v1.0.exe
N70 (V42 only)
V_05WK07V41_08-02-06_RM-84_(c)_Nokia
V_05WK07V45.1_21-10-06_RM-84_(c)_Nokia
V_05WK07V42_23-03-06_RM-84_(c)_Nokia
V_05WK07V25.4.2_21-09-05_RM-84_(c)_Nokia
V_05WK07V45_29-08-06_RM-84_(c)_Nokia
V_05WK07V45.1_21-11-06_RM-84_(c)_Nokia

N71
V_05wk33v23.5_04-04-06_RM-67_(c)_Nokia, MCU: r1114_2.0613.1.12.1_cc_emea.fpsx, install: RM-67_Phone_Data_Package_EMEA_1_0.exe, free (revision: F)

N72
V_05wk07v47_30-01-07_RM-180_(c)_Nokia, MCU: RM180_50706401.C0 (Nokia_firmware_RM-180_EMEA_v4.0_5.0706.4.0.1.exe)

N73
V_05wk47v48.3_02-07-07_RM-133_(c)_Nokia, MCU: N73_4.0727.2.2.1_western_C00_PRD_cc.fpsx, install: RM-133_ME_EMEA_4.0727.2.2.1_v3.0.exe
V_05wk47v28.1_22-06-06_RM-133_(c)_Nokia, scarfe_2.0628.0.0.1_western_C00_PRD_cc.fpsx, install: Nokia_firmware_RM-133_EMEA_2.0628.0.0.1_v1.0.exe
V_05wk47v28.3_26-07-06_RM-133_(c)_Nokia, scarfe_2.0628.0.0.3_western_C00_PRD_cc.fpsx, install: Nokia_firmware_RM-133_EMEA_2.0628.0.0.3_v2.0.exe
V_05wk47v38.1_19-01-07/RM-133_(c)_Nokia (tested), N73_3.0704.1.0.1_western_C00_PRD_cc.fpsx or N73_3.0705.1.0.31_western_C00_PRD_cc.fpsx
V_05wk47v46.3_04-06-07_RM-133_(c)_Nokia
N73_4.0723.2.0.1_western_C00_PRD_cc.fpsx (tested), install: RM-133_APAC_4.0723.2.0.1_v7.0.exe

N75
V_06wk15v37_08-03-07_RM-128_(c)_Nokia, MCU: RM128_10.2.055.C00

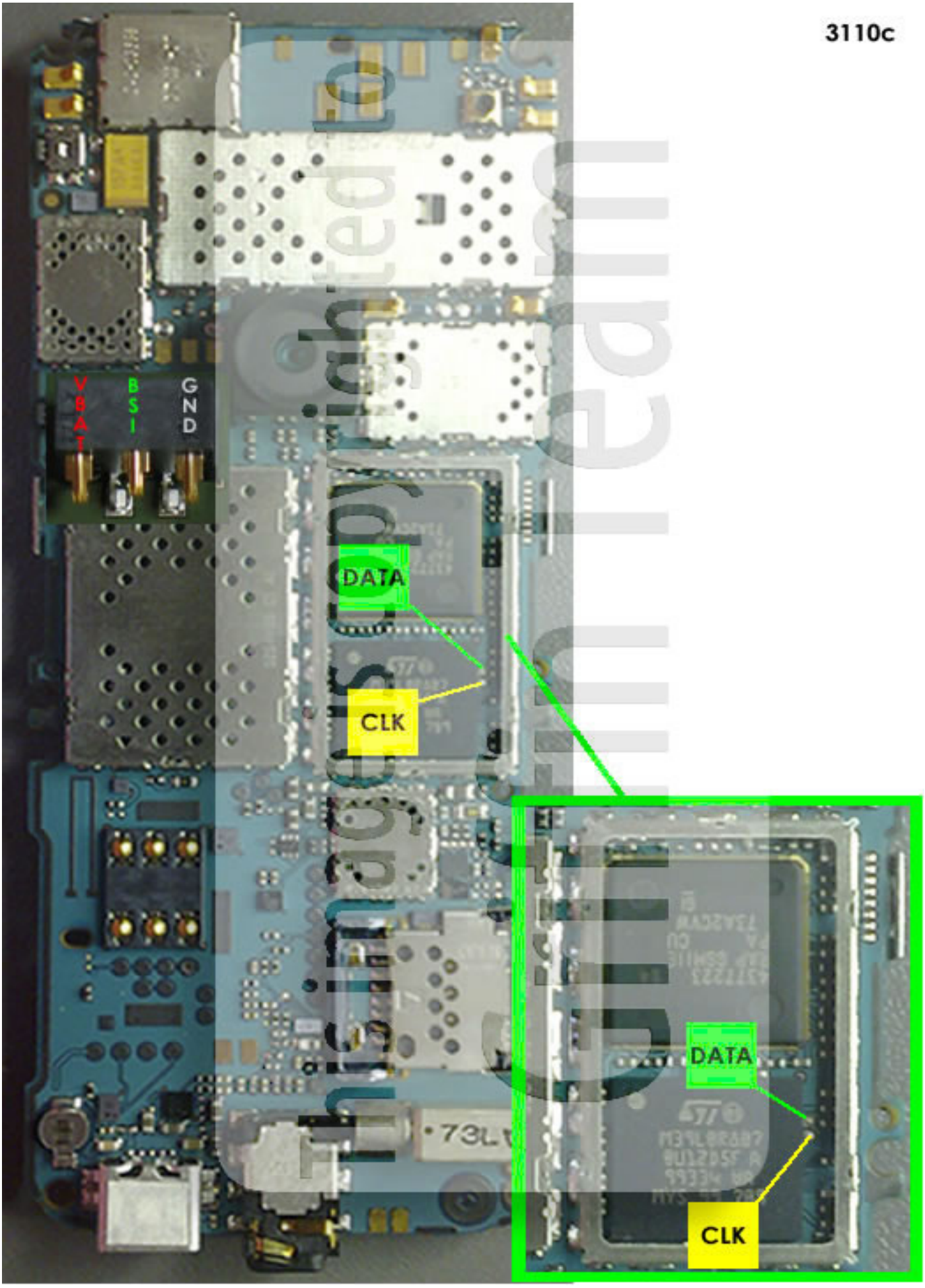
N80
V_05wk33v33.1_22-06-06_RM-92_(c)_Nokia, MCU: N80_4.0623.0.41-prd_western_C00_cc.fpsx, install: RM-92_EMEA_PR_dp_v13.00_SW4.0623.0.41.exe
V_04.54_01-08-06_RM-145_(c)_Nokia, MCU: N80_4.0623.0.41-prd_western_C00_cc.fpsx, install: RM-92_EMEA_PR_dp_v13.00_SW4.0623.0.41.exe

N91
V_w33_06w24v4.13-09-06_RM-43_(c)_Nokia, MCU: RM43_V2.10.013.core
V_w33_06w38v1_18-09-06_RM-43_(c)_Nokia, MCU: RM43_V3.00.060.core (8 GB)
V_w33_06w16v2_20-04-06_RM-43_(c)_Nokia, MCU: RM43_V1.10.030.core, install: Nokia_firmware_RM-43_EMEA_10.00.exe, free (revision: F)

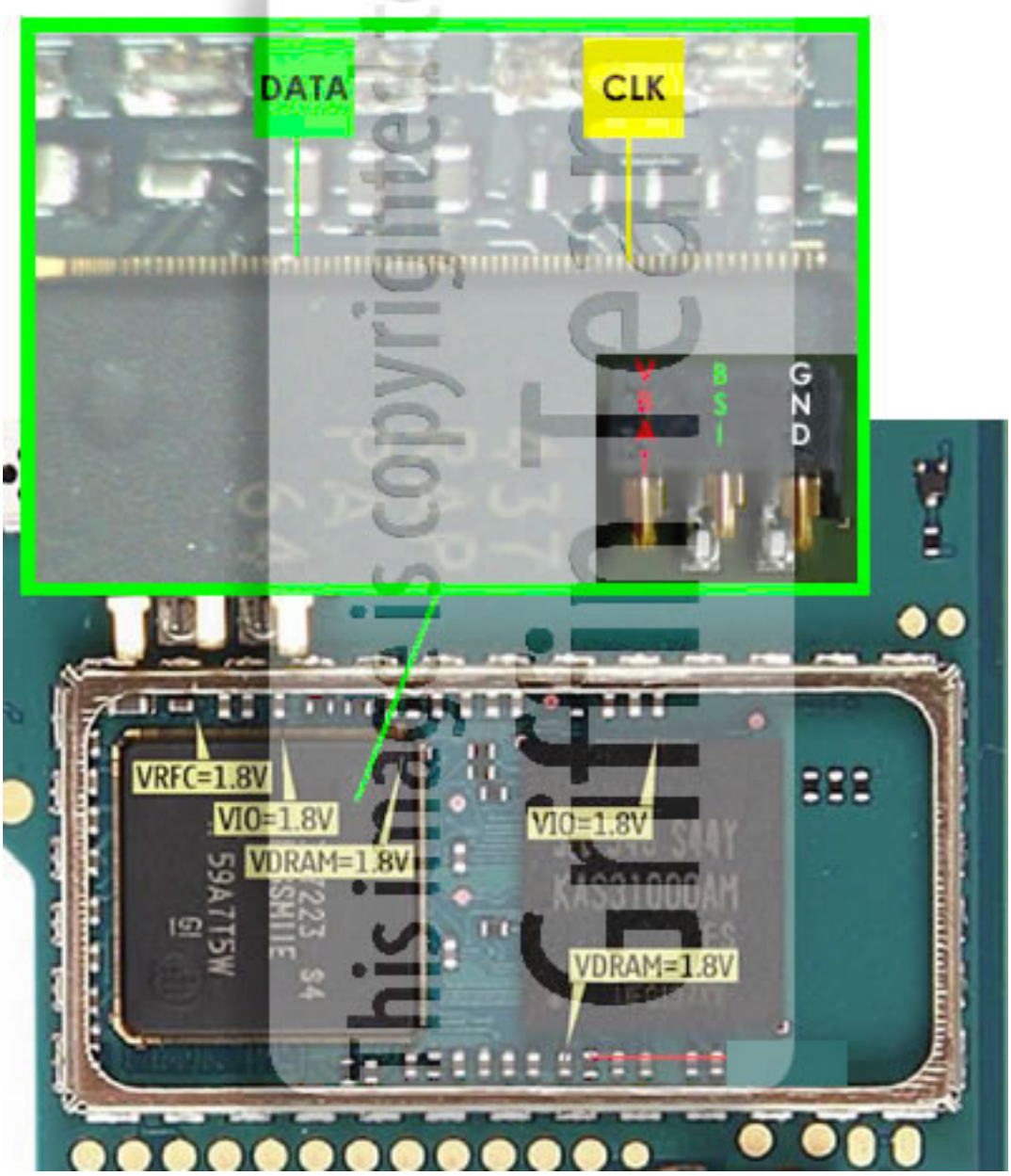
N93
V_05wk47v28.2_03-07-06_RM-55_(c)_Nokia, MCU: RM55PE110034.C0

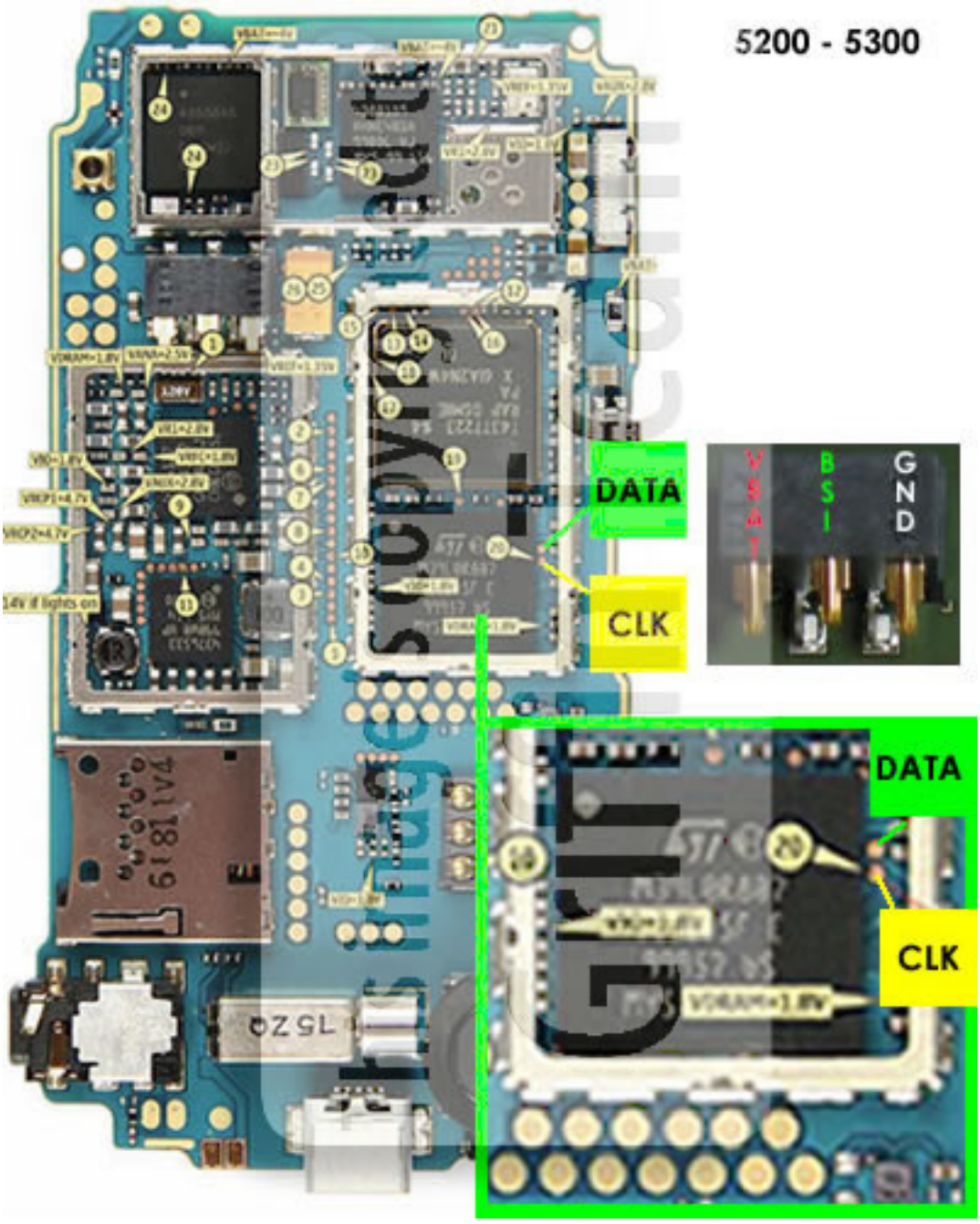
N95
V_06wk41v23.4_17-04-07_RM-159_(c)_Nokia, MCU: RM-159_11.0.026_PR.cor, install: RM-159_EURO_11.0.026_v2.0.exe
V_06wk41v18.4_13-03-07_RM-159_(c)_Nokia, MCU: RM-159_10.0.018_PR.cor
V_06wk41v31_05-06-07_RM-159_(c)_Nokia, MCU: RM-159_12.0.013_PR.cor, install: Nokia_firmware_RM-159_EURO_12.0.013_v3.0.exe

Test Points

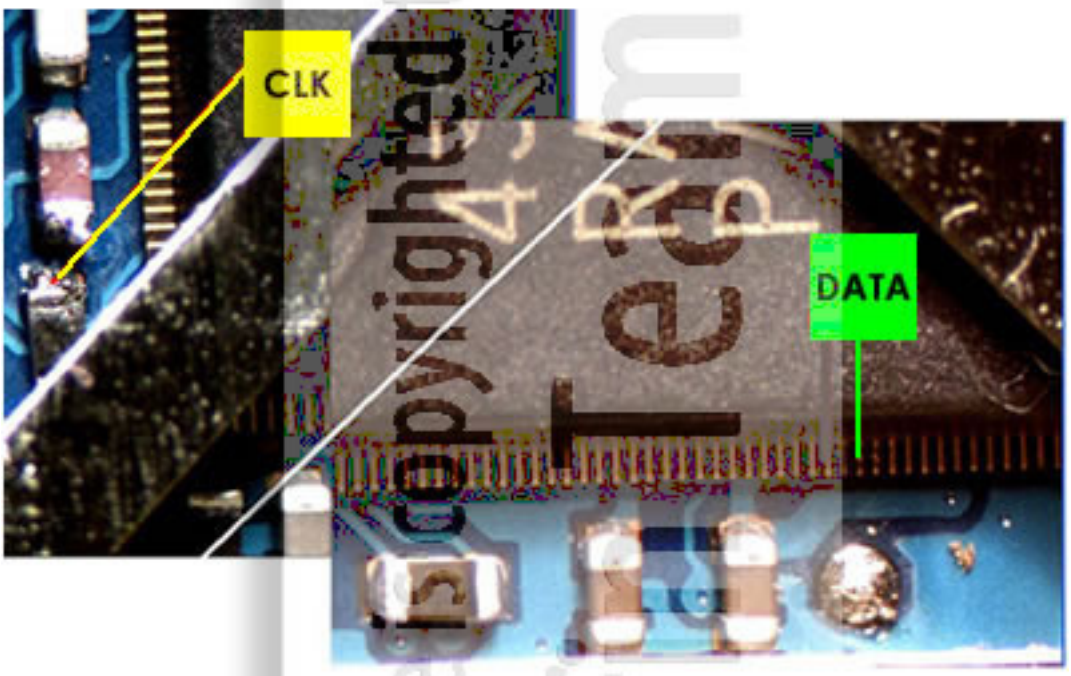


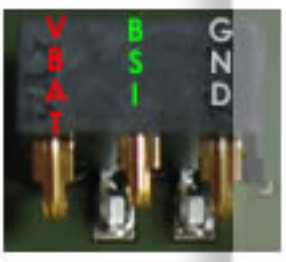
3250


DATA
CLK
VBAT
BSI
GND
VRFC=1.8V
VIO=1.8V
VDRAM=1.8V
VIO=1.8V
VDRAM=1.8V


5200 - 5300
DATA
CLK
VBAT
BSI
GND
DATA
CLK

5500





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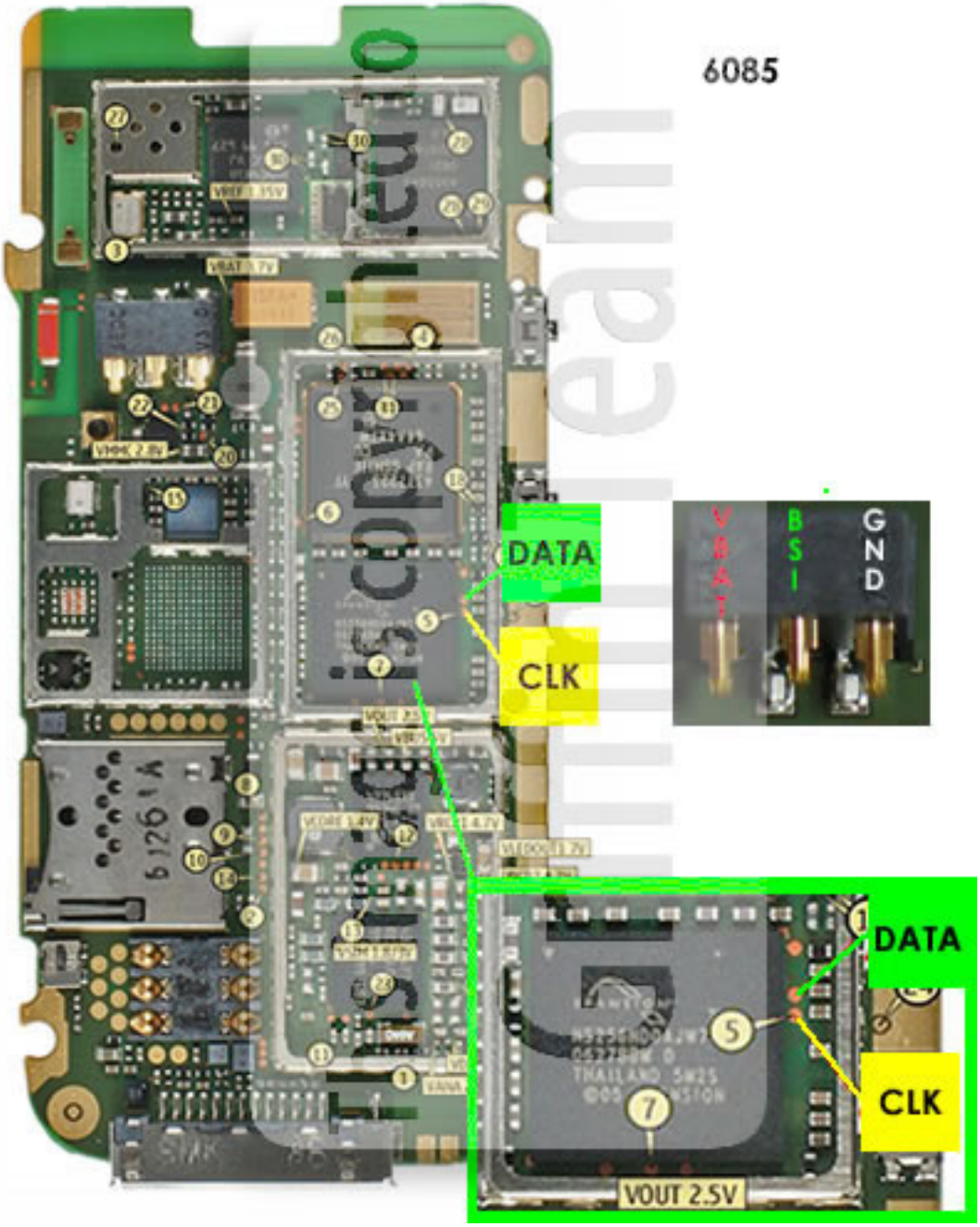
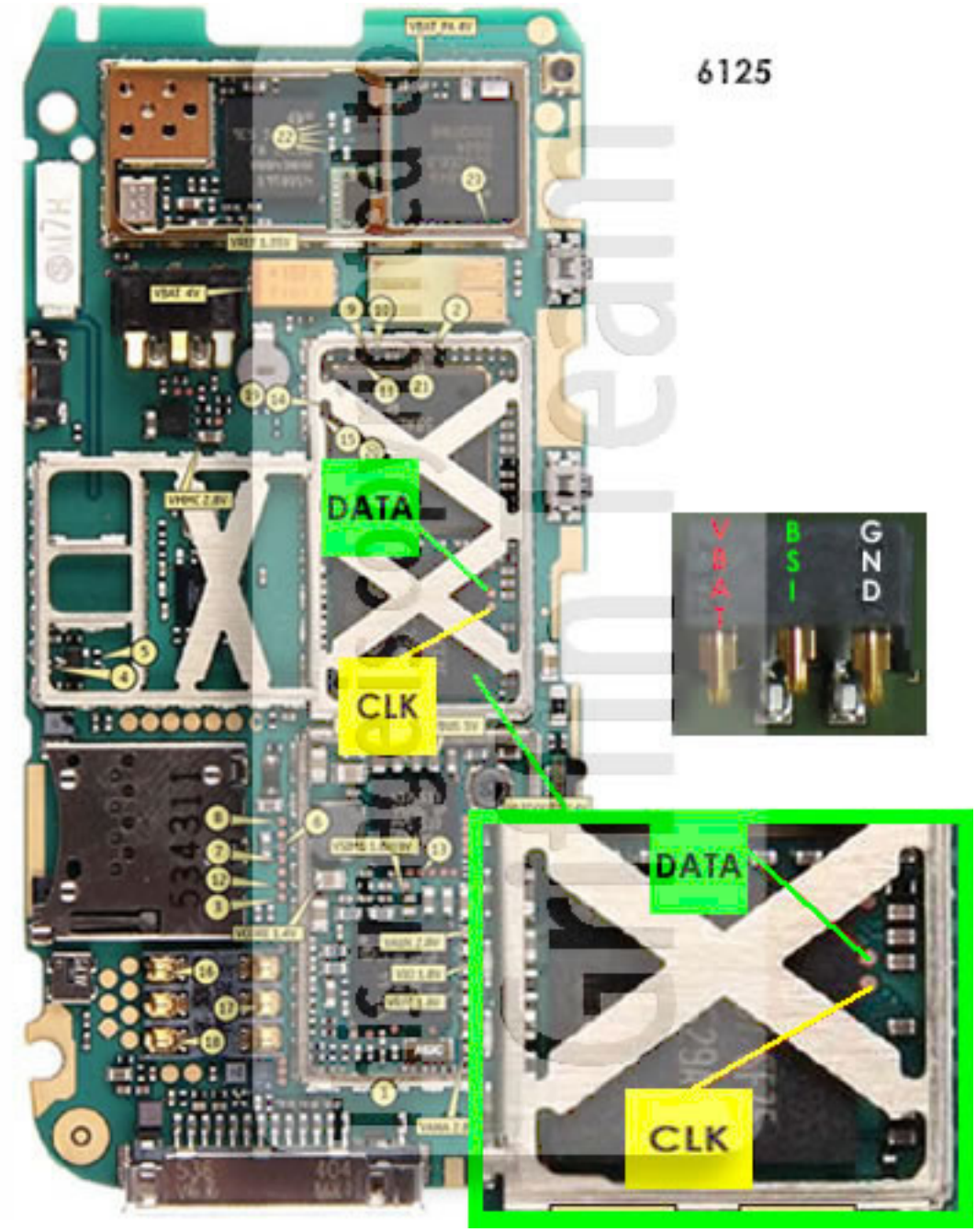
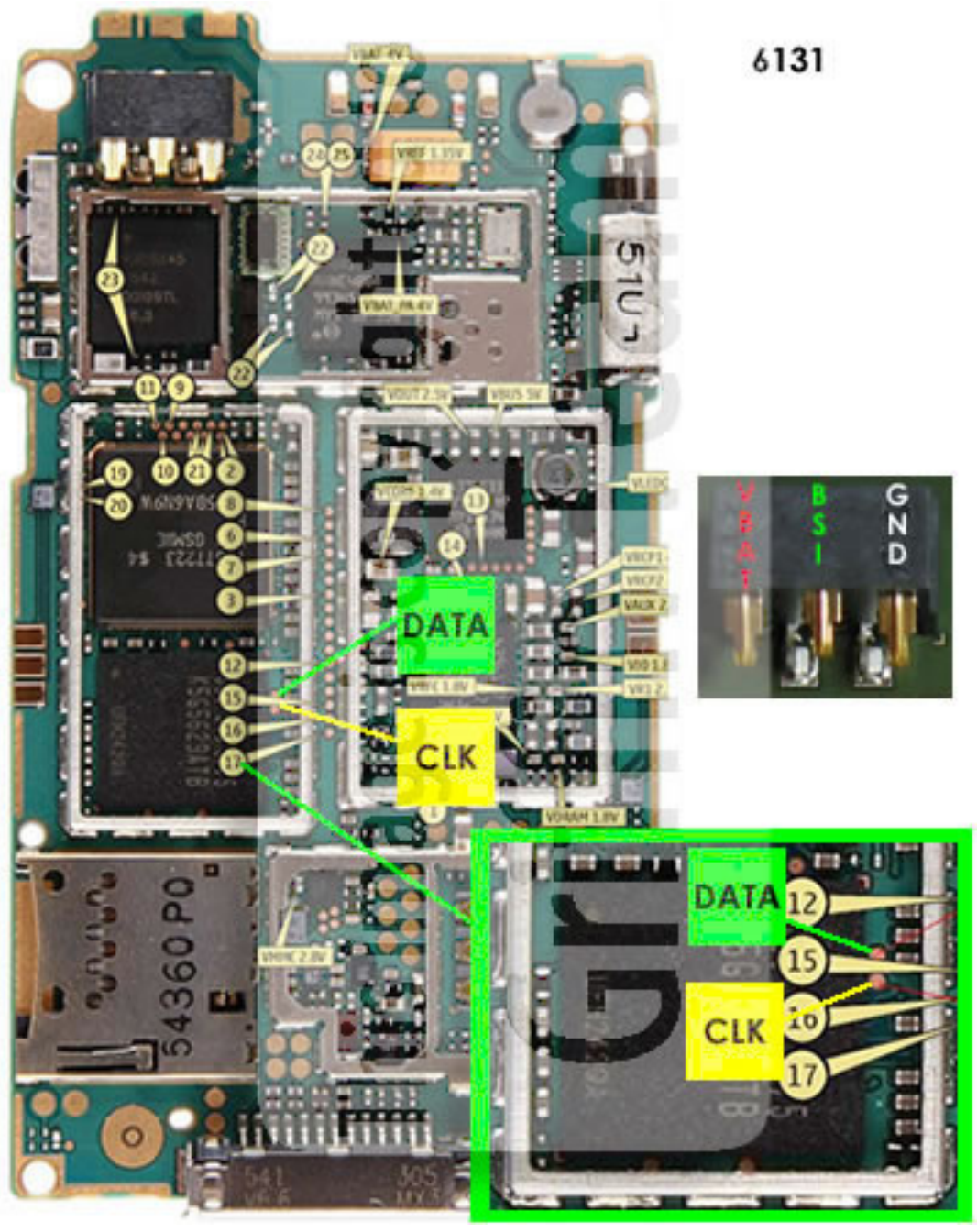
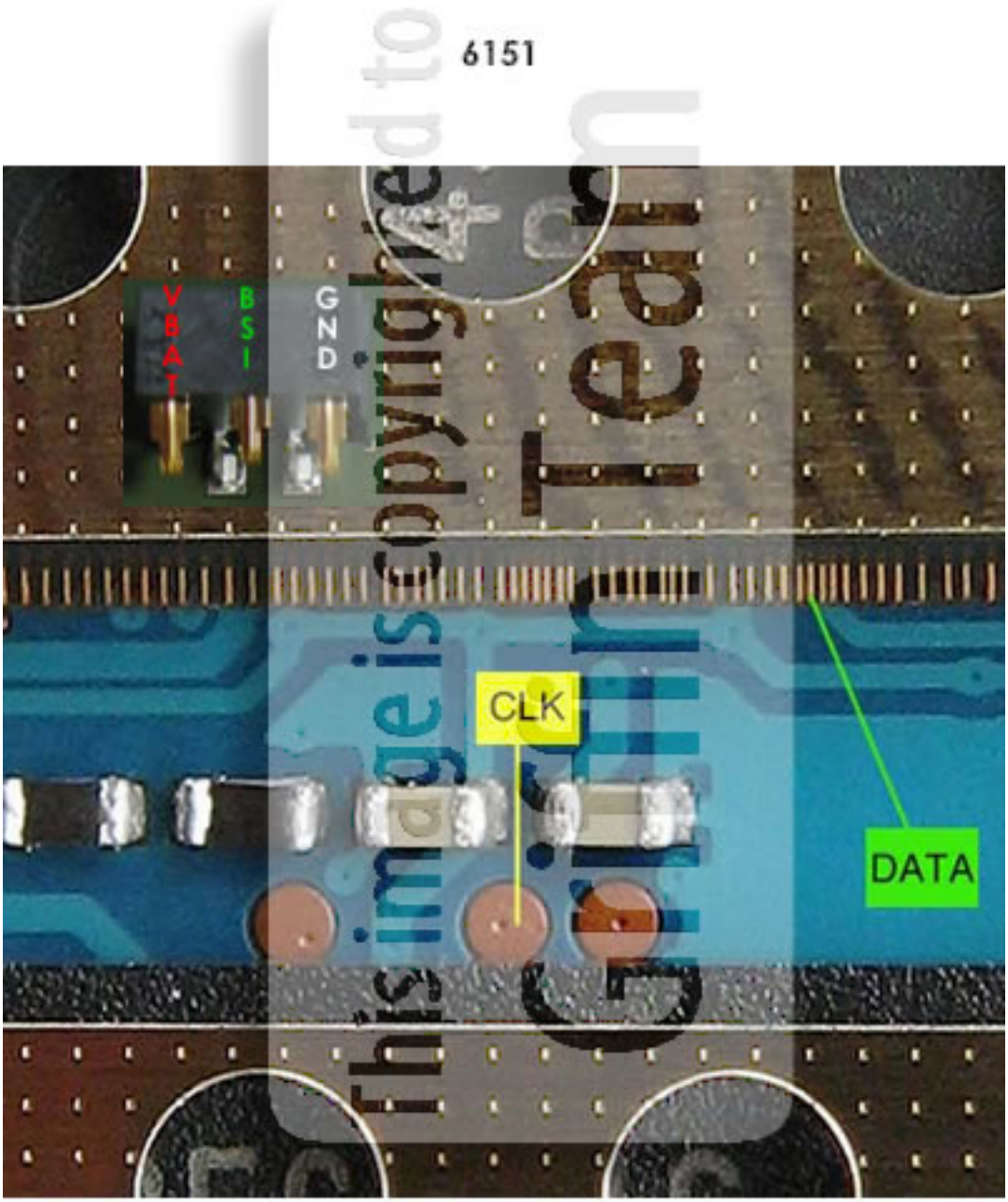
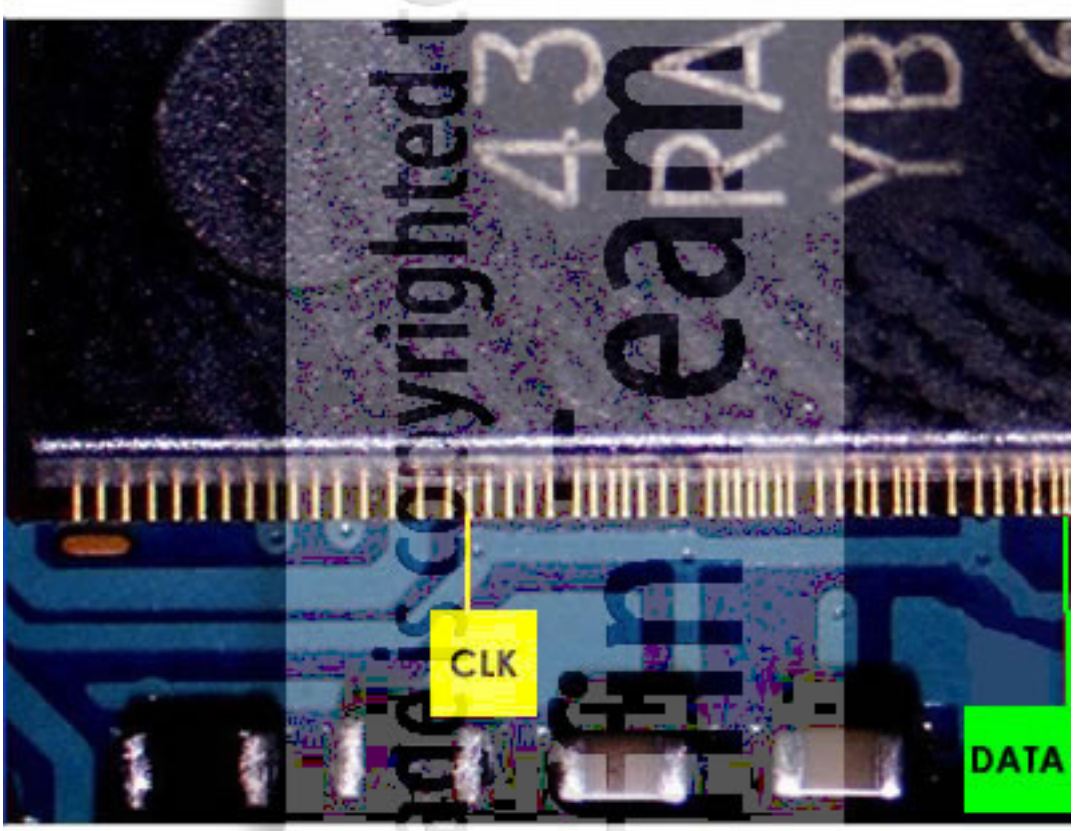

6085
DATA
CLK
VBAT
BSI
GND
DATA
CLK
VOUT 2.5V

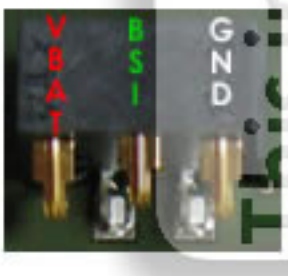

6125
DATA
CLK
VBAT
BSI
GND
DATA
CLK

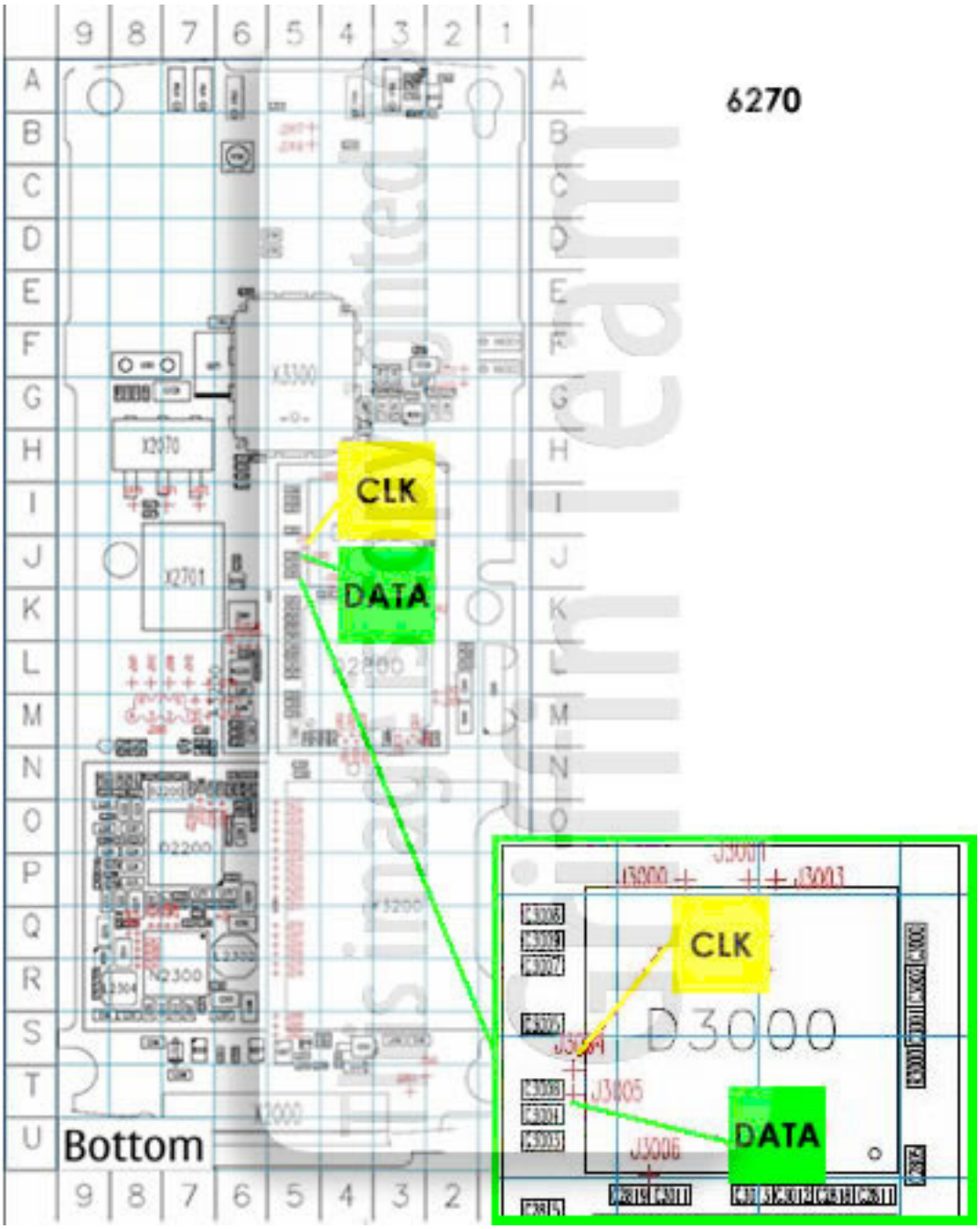

6131
DATA
CLK
VBAT
BSI
GND
DATA
CLK
12
15
16
17

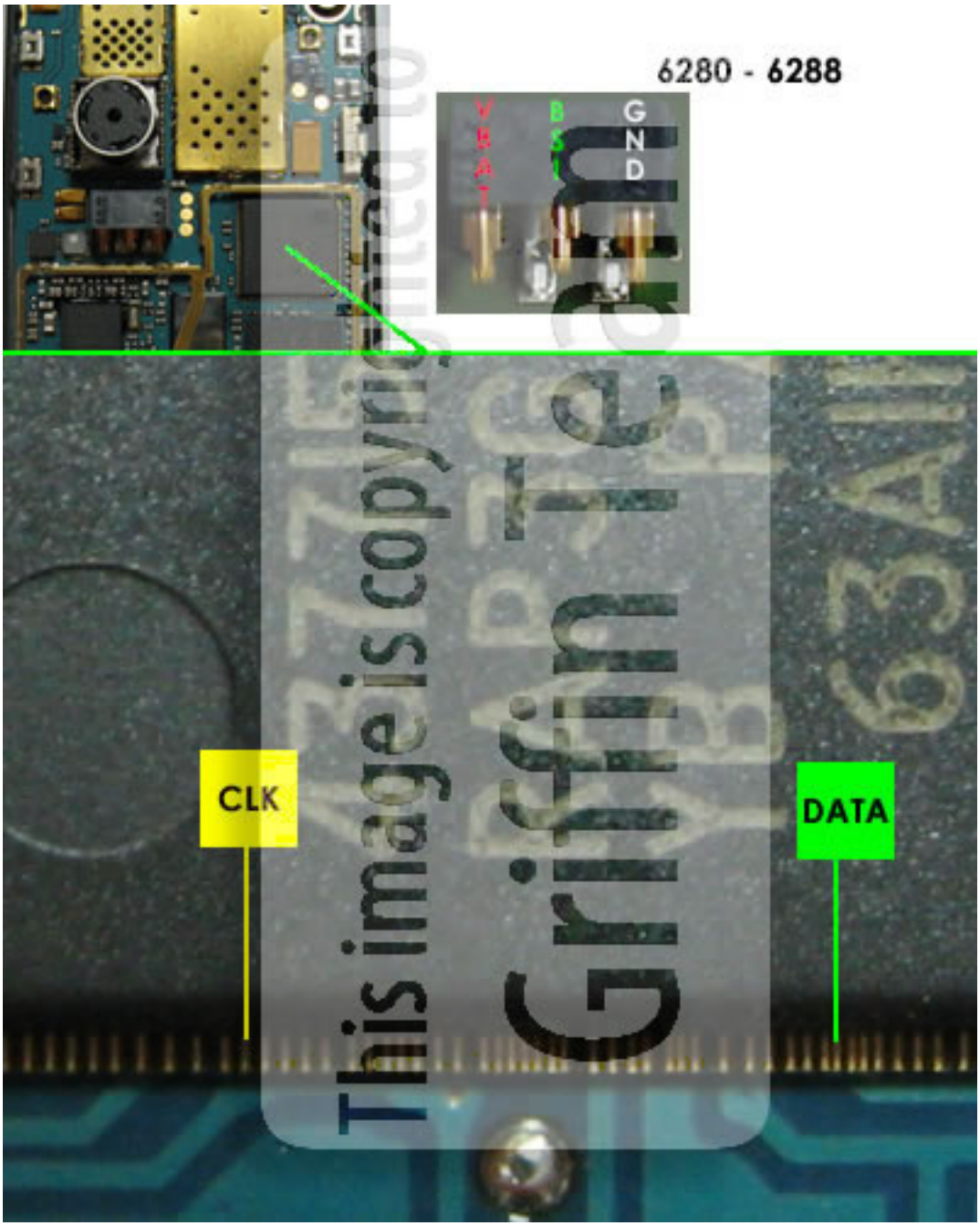

6151
VBAT
BSI
GND
CLK
DATA

6233 - 6234






6270
CLK
DATA
Bottom
D3000
CLK
DATA


6280 - 6288
VBAT
BSI
GND
CLK
DATA
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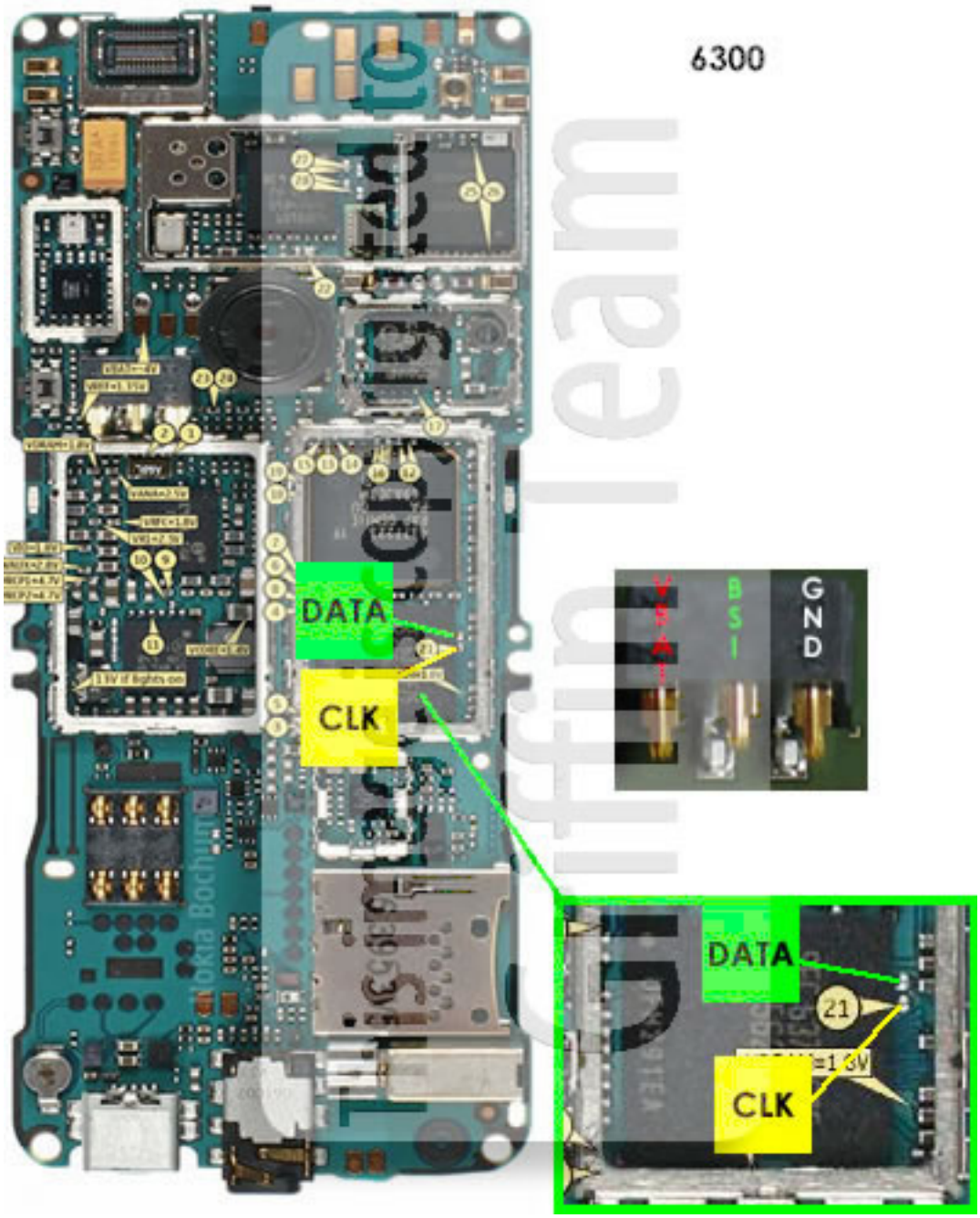
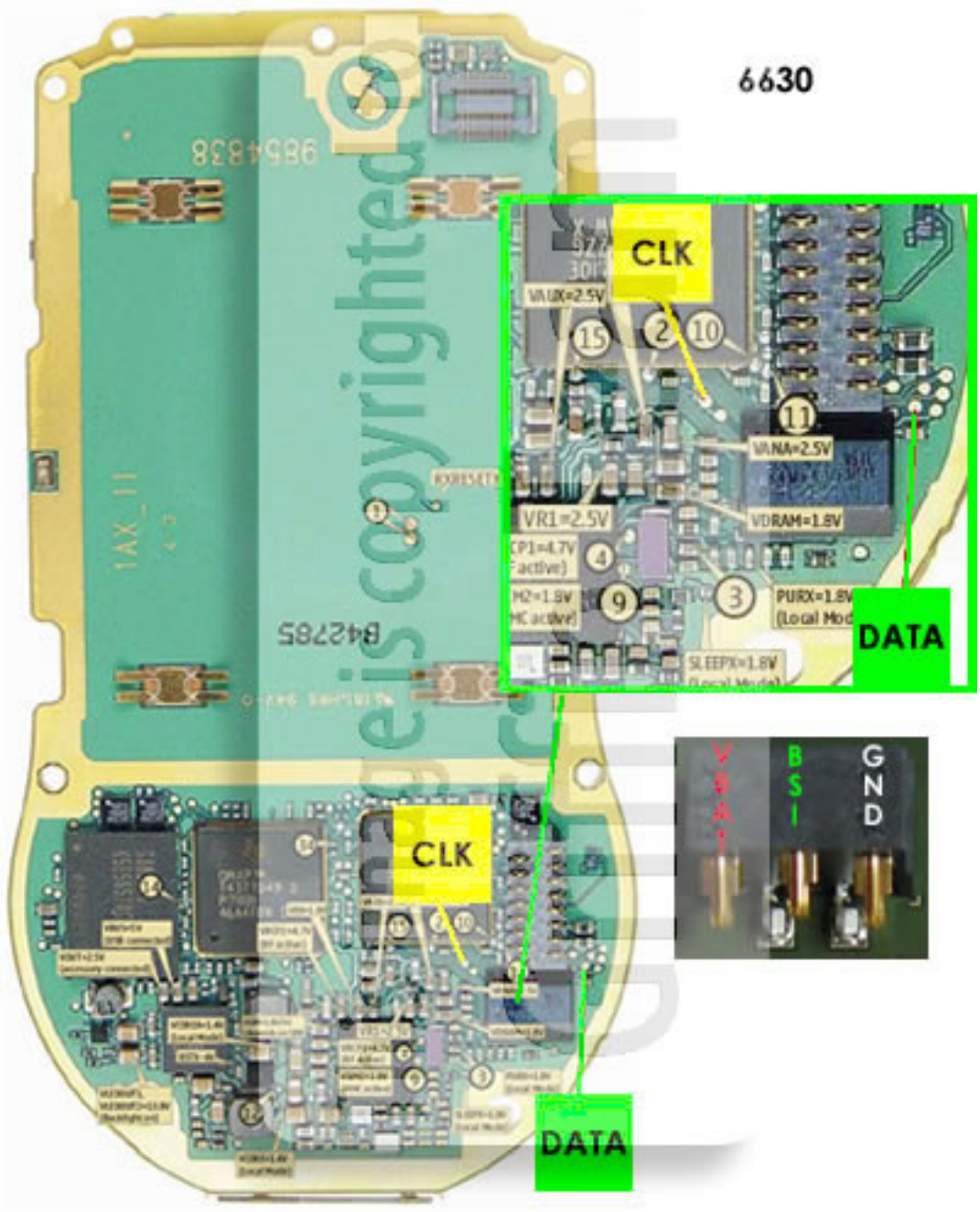
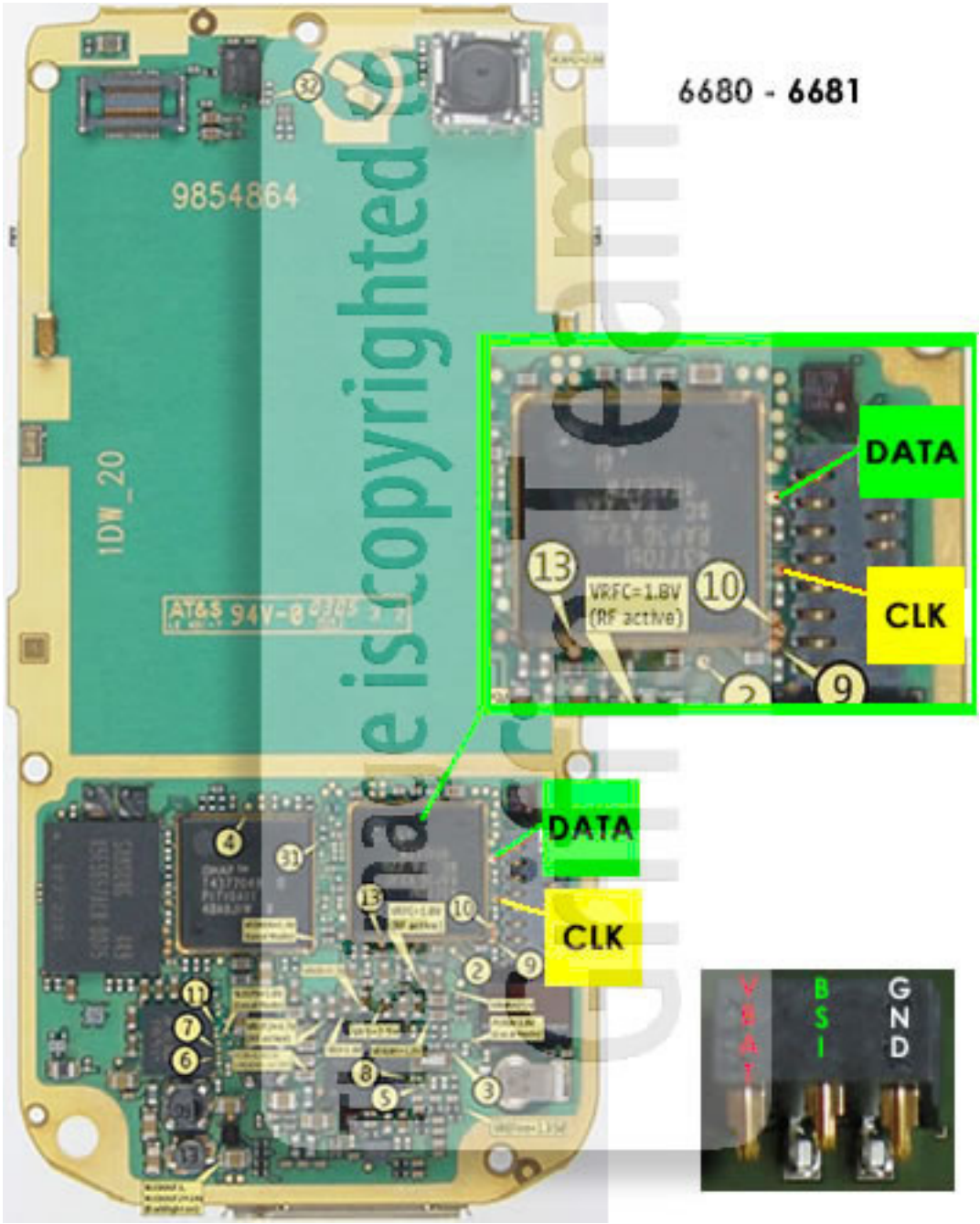
6300




6630
CLK
DATA
CLK
DATA
VBAT
BSI
GND

6680 - 6681



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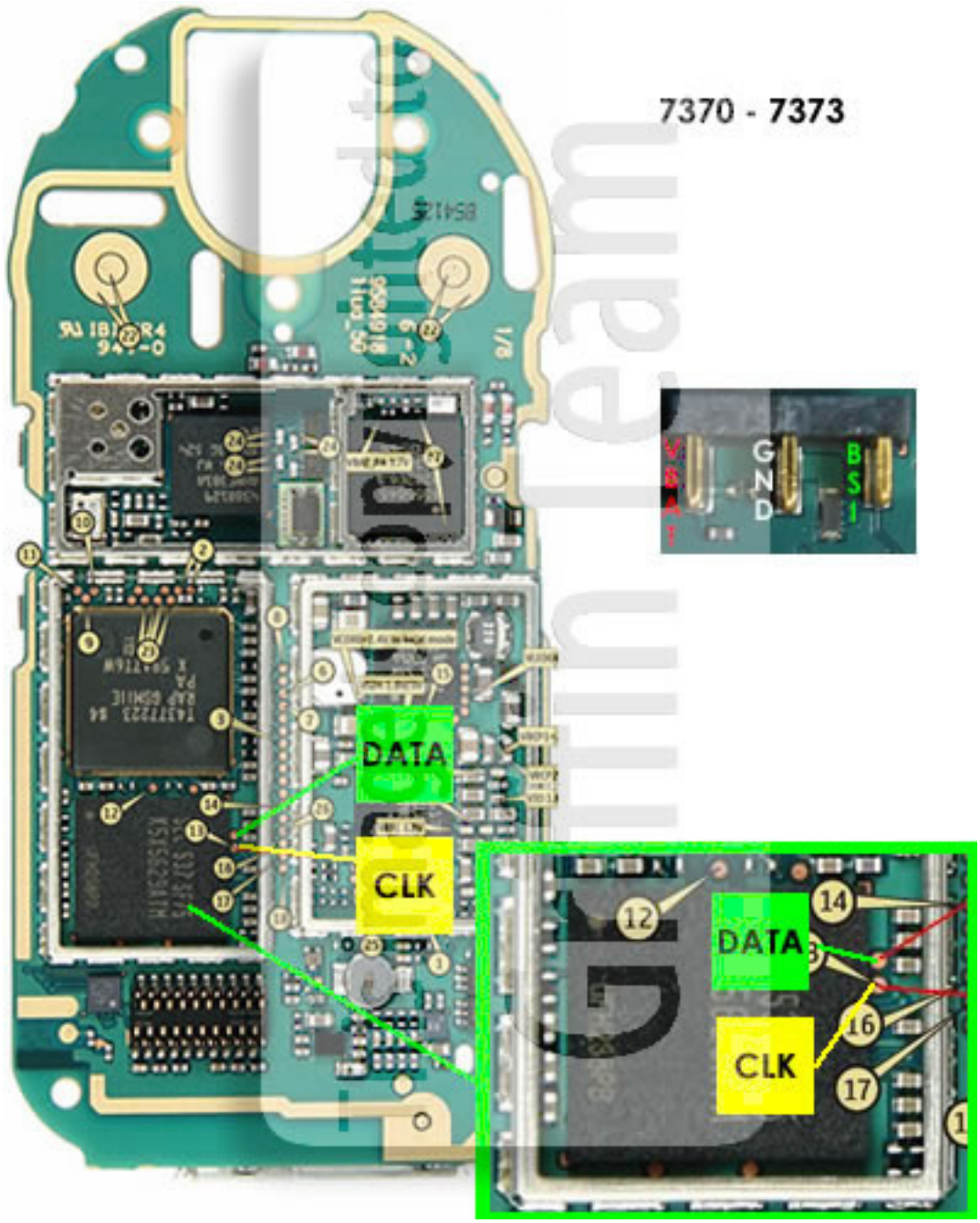
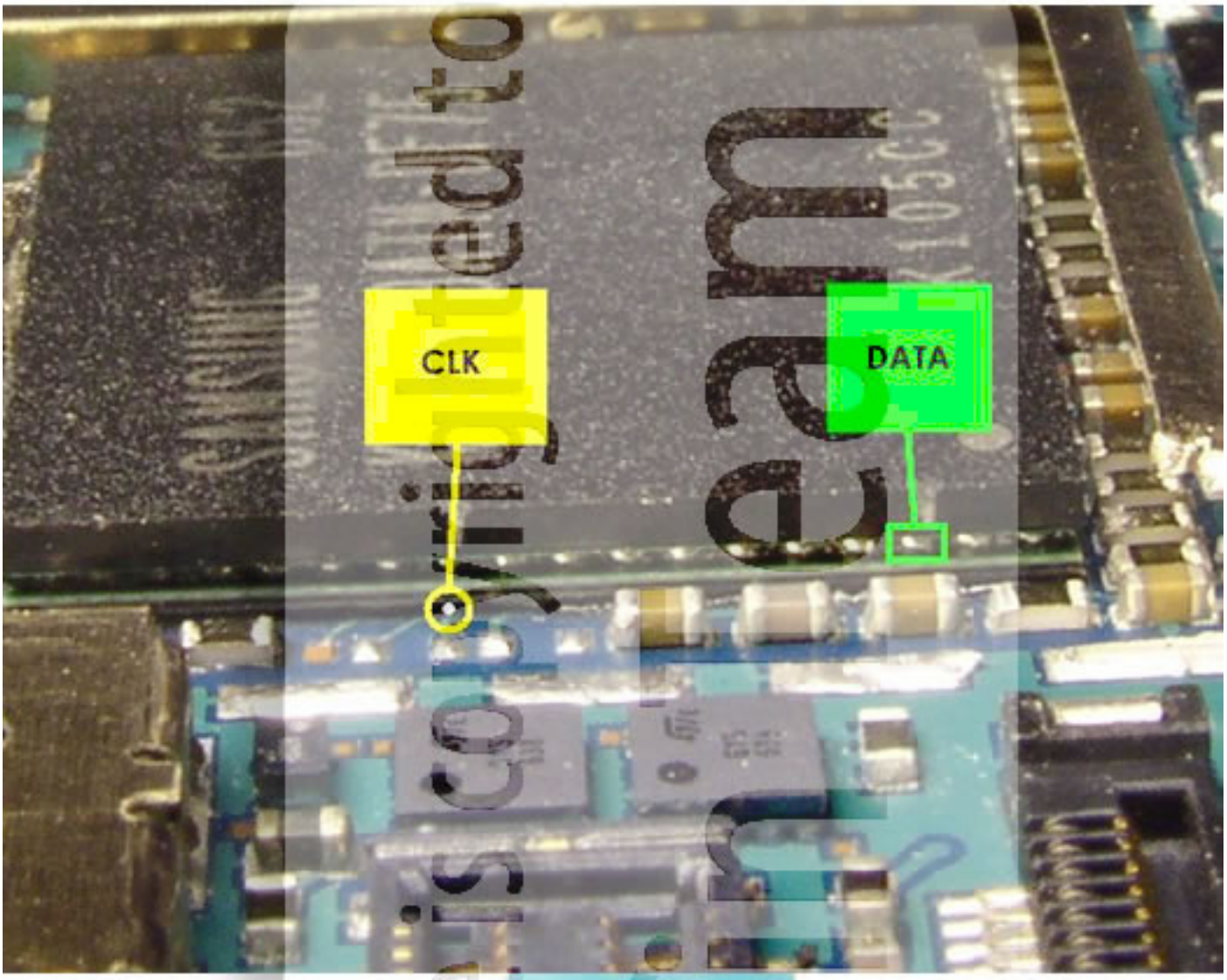
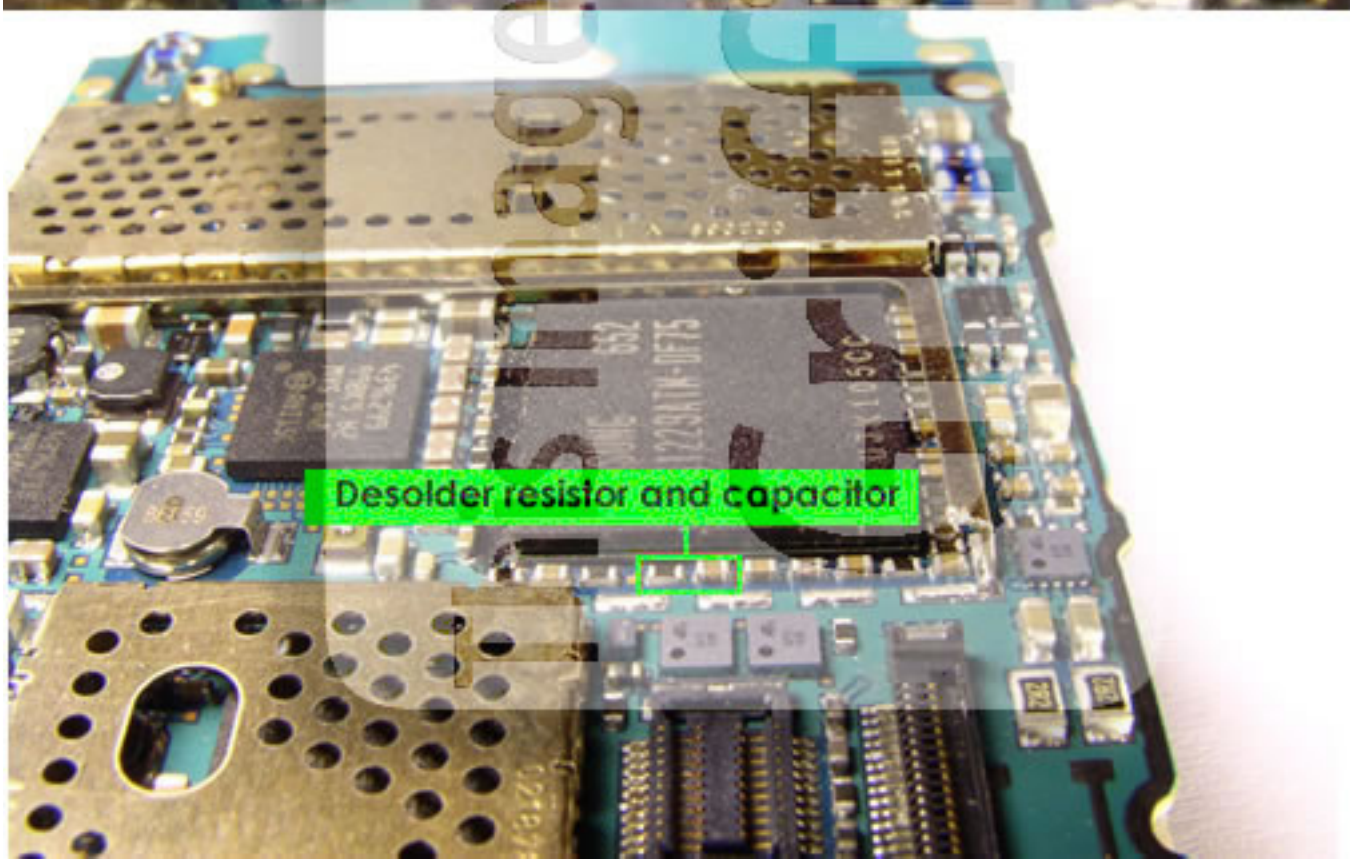
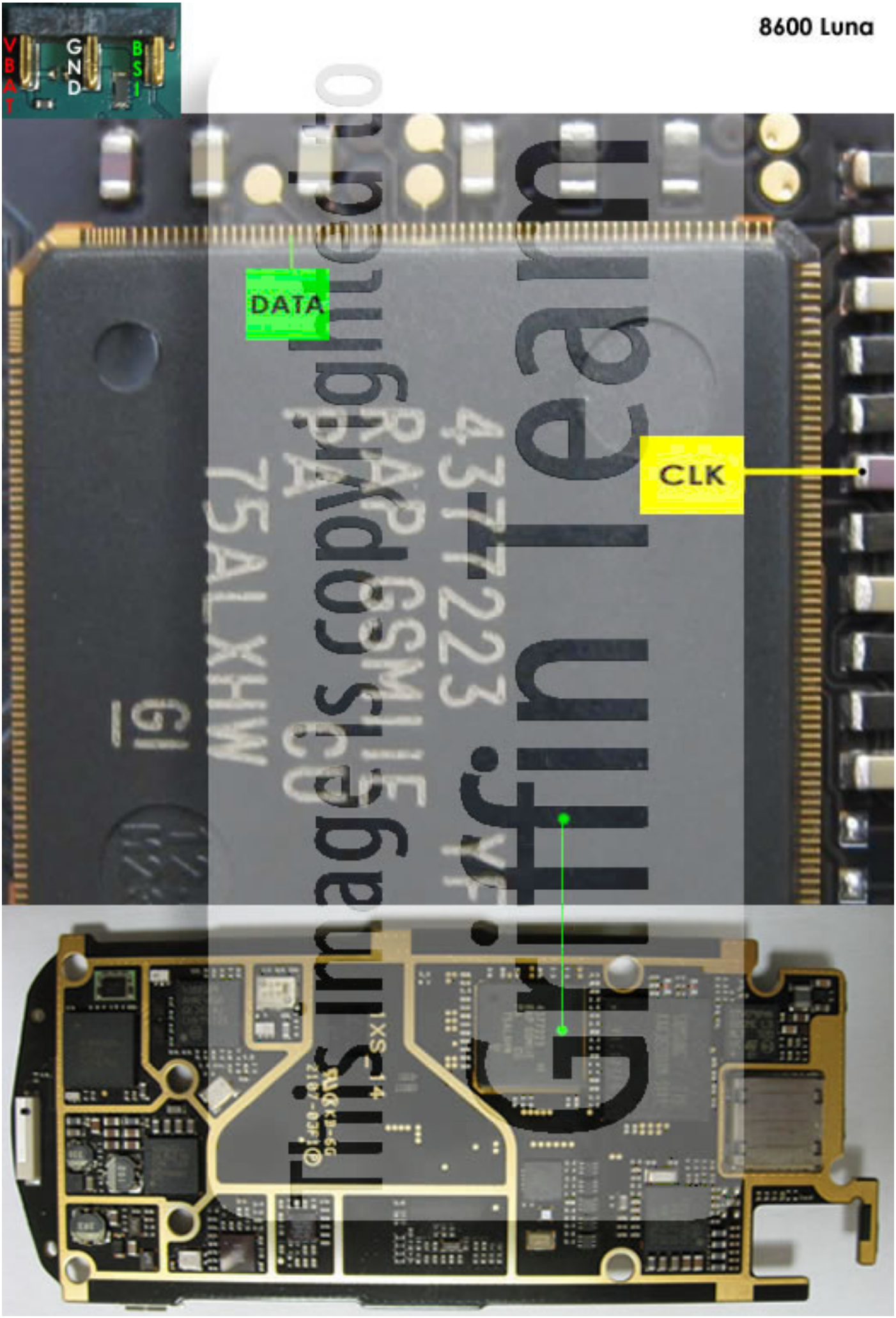

7370 - 7373
VBAT
GND
BSI
DATA
CLK
DATA
CLK
12
14
16
17

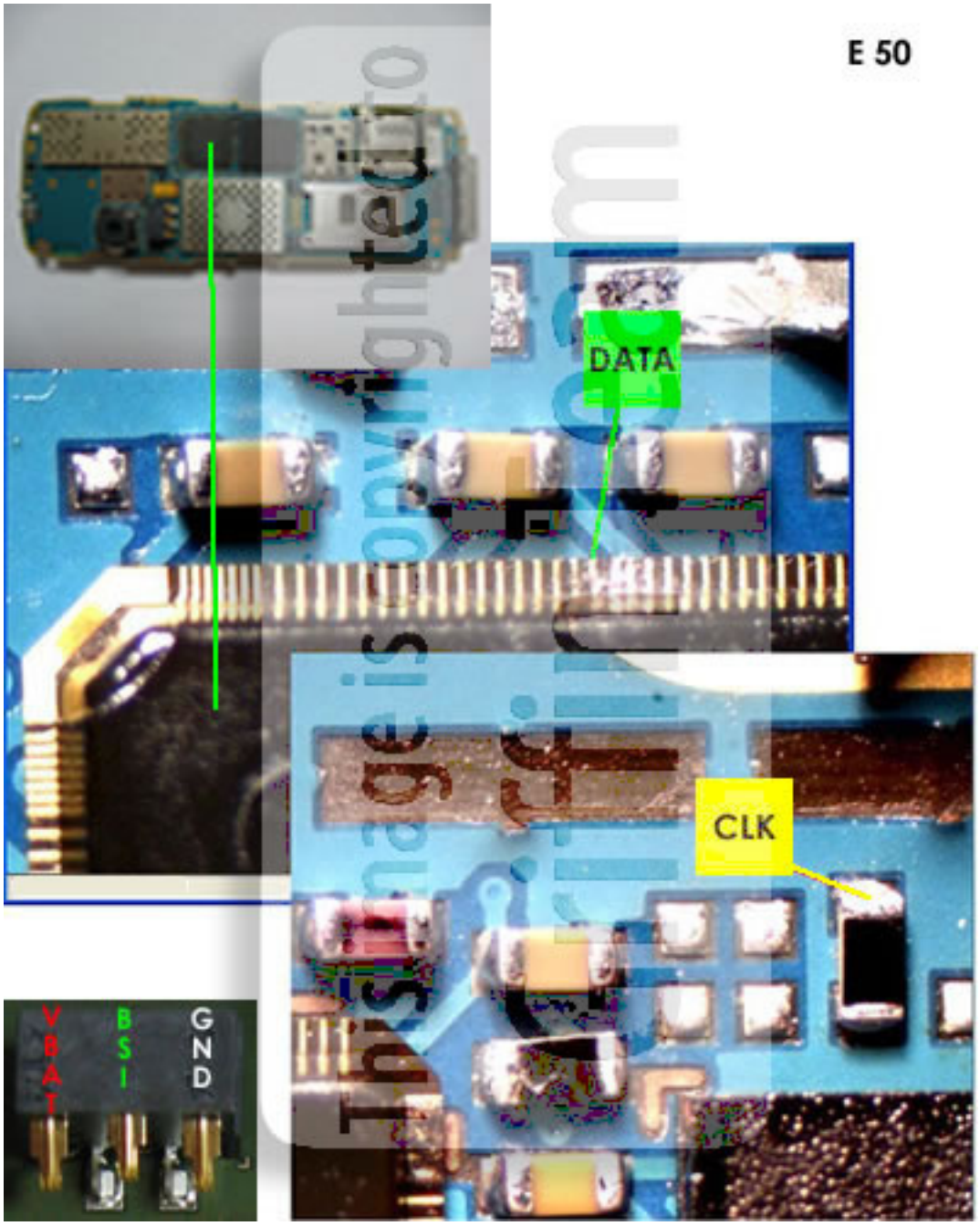

CLK
DATA

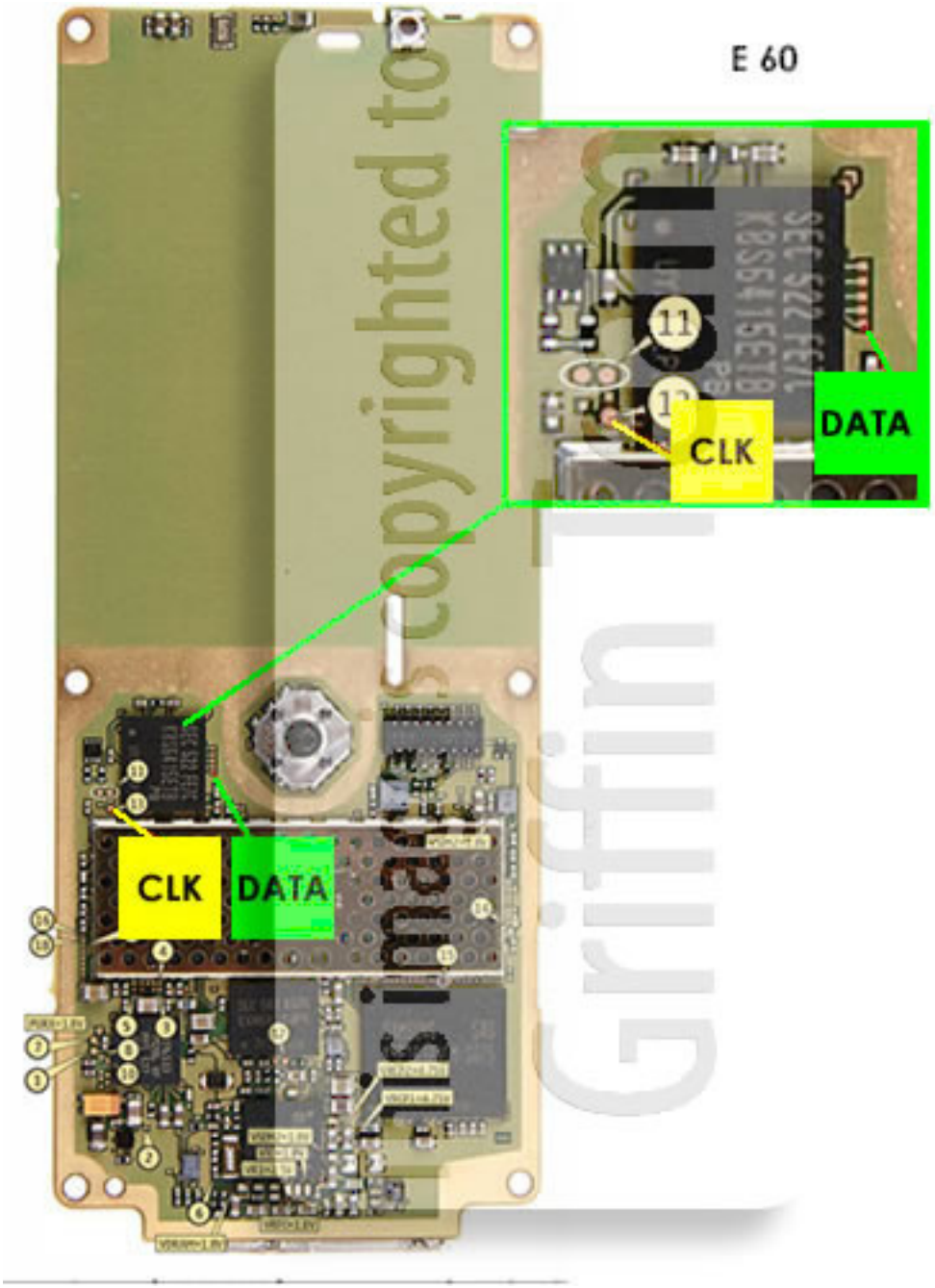

Desolder resistor and capacitor

8600 Luna

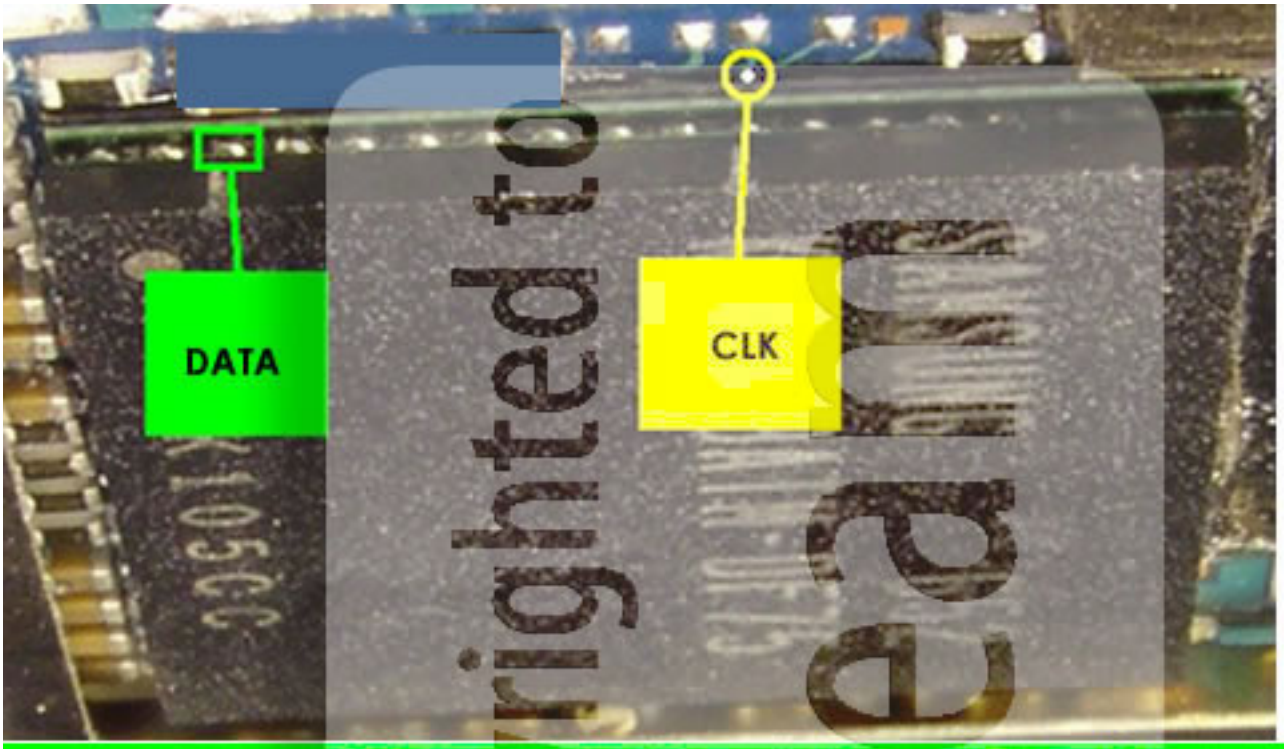


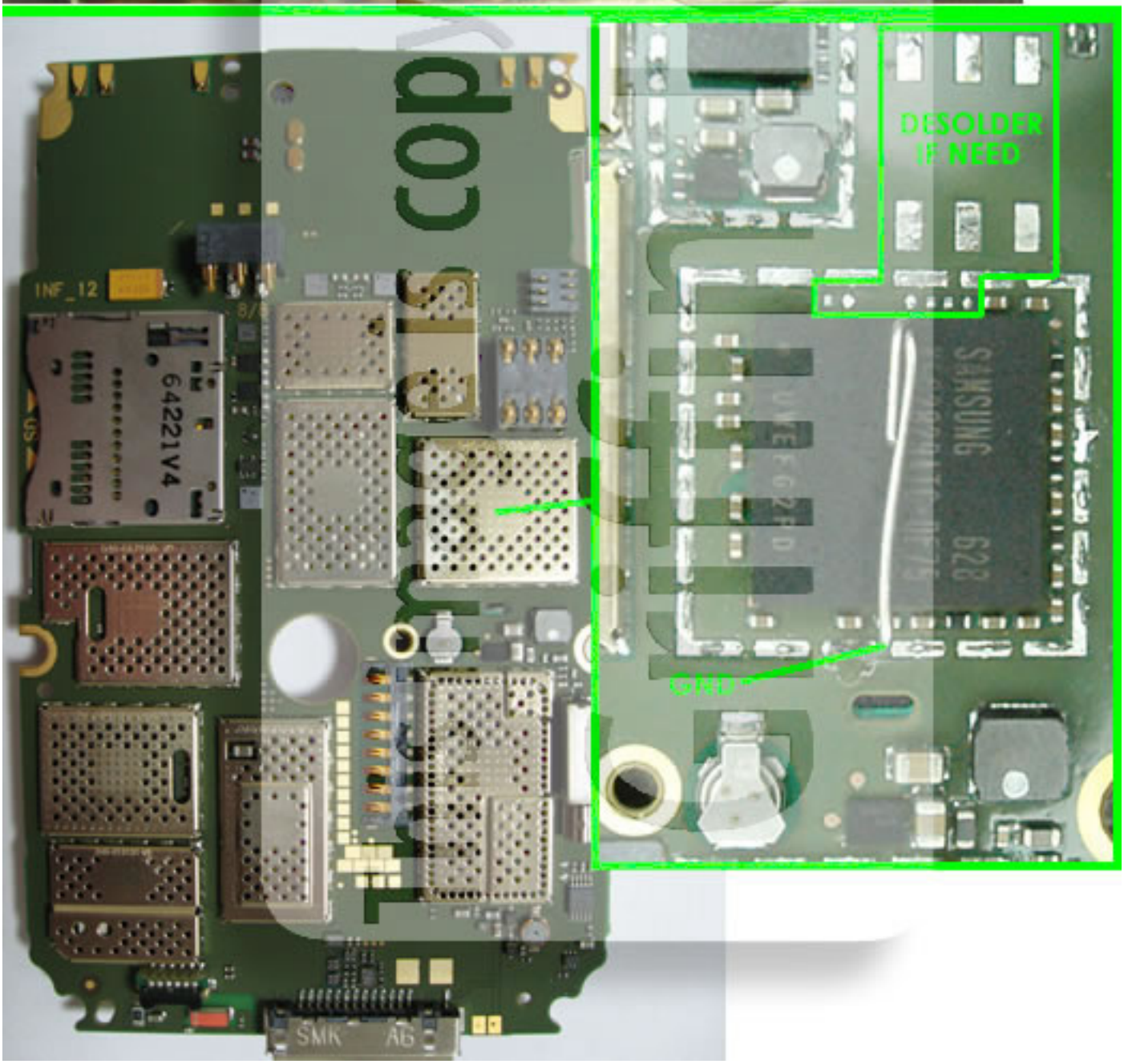
E 50



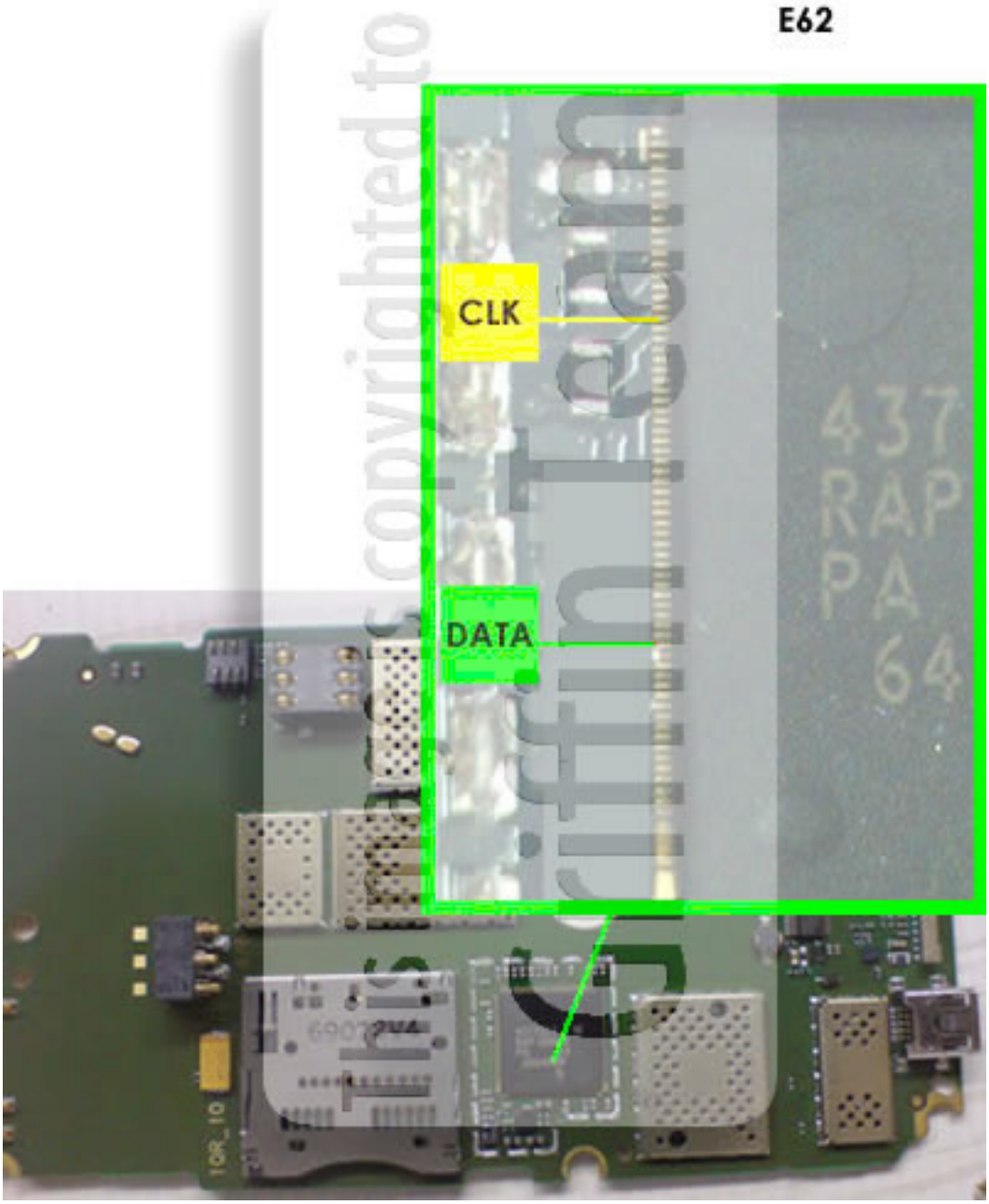

E 60
11
CLK
DATA
CLK
DATA

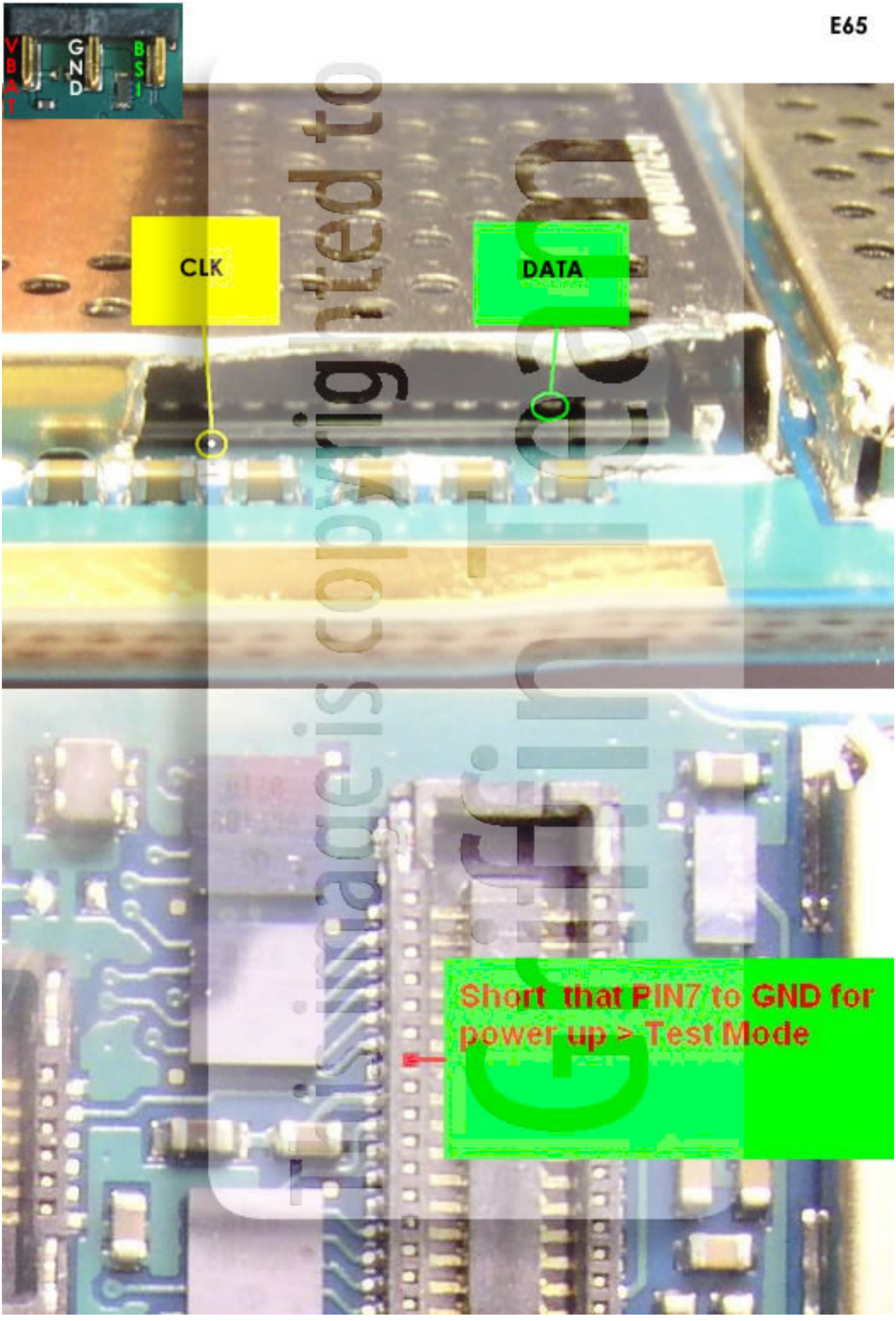
E61





E62





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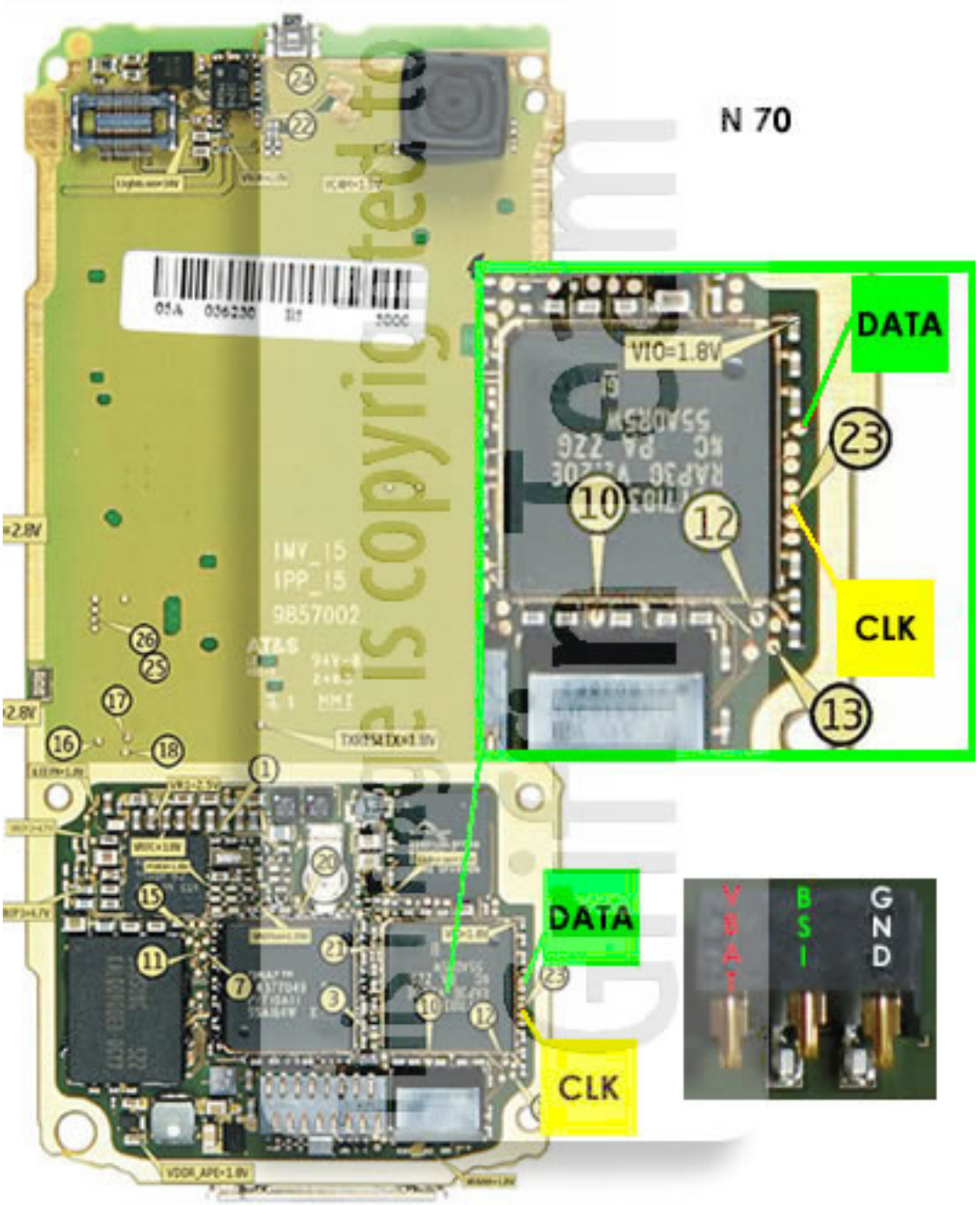
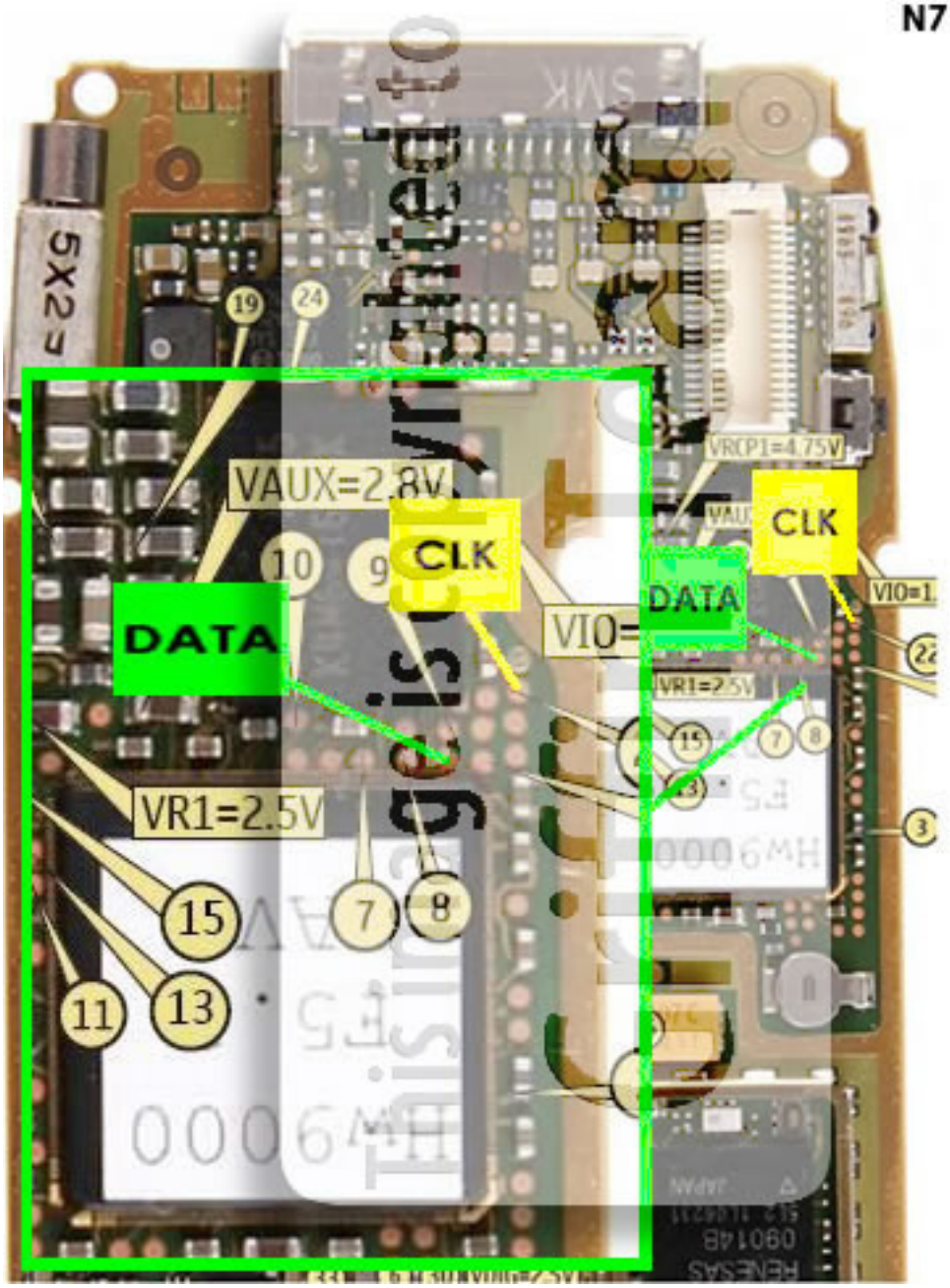

N 70
DATA
CLK
VIO=1.8V
23
10
12
13
DATA
CLK
VBAT
BSI
GND

N71


VAUX=2.8V
CLK
DATA
VR1=2.5V
VIO=
VRCP1=4.75V
CLK
DATA
VIO=1.
VR1=2.5V
15
13
11
7
8
10
9
19
24

N72

DATA
CLK
VBAT
BSI
GND
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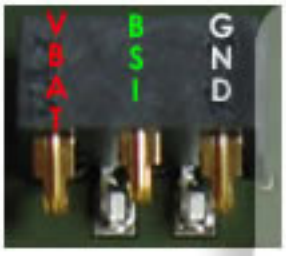
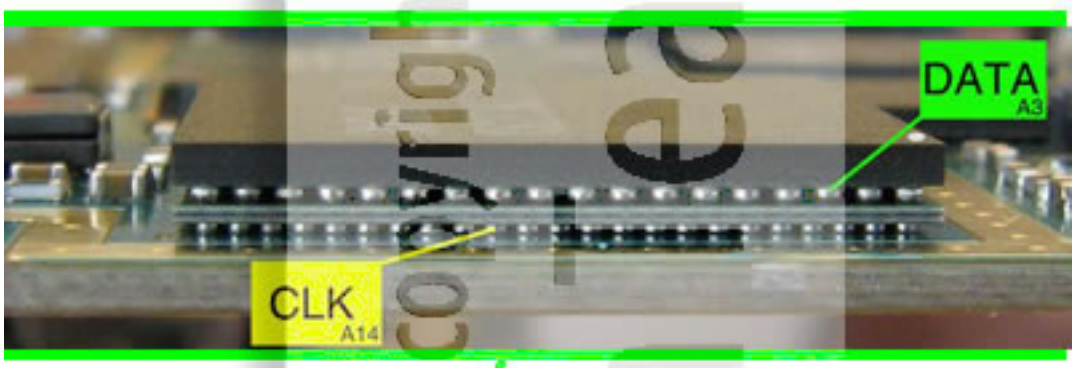
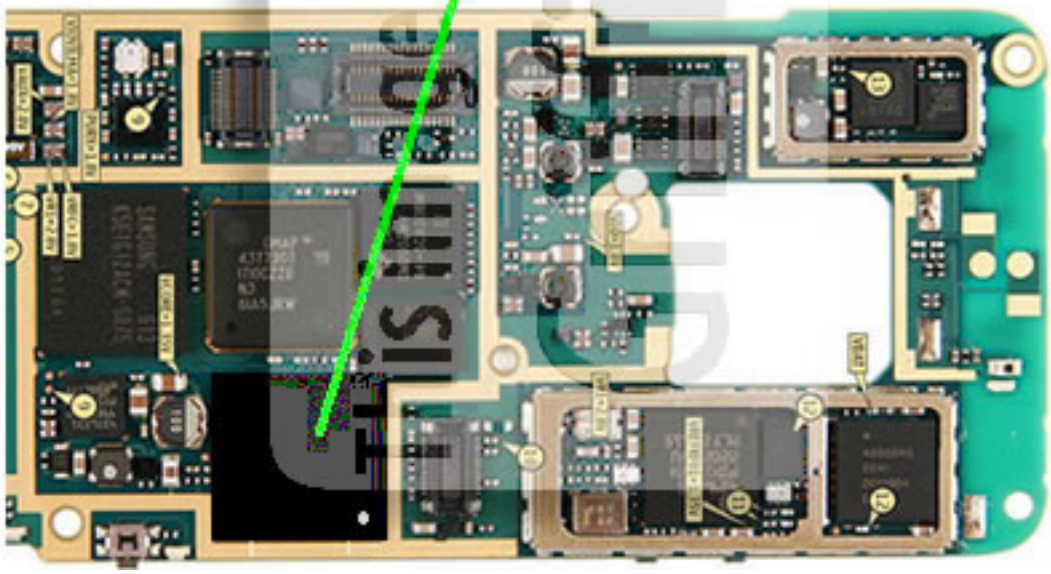


N73





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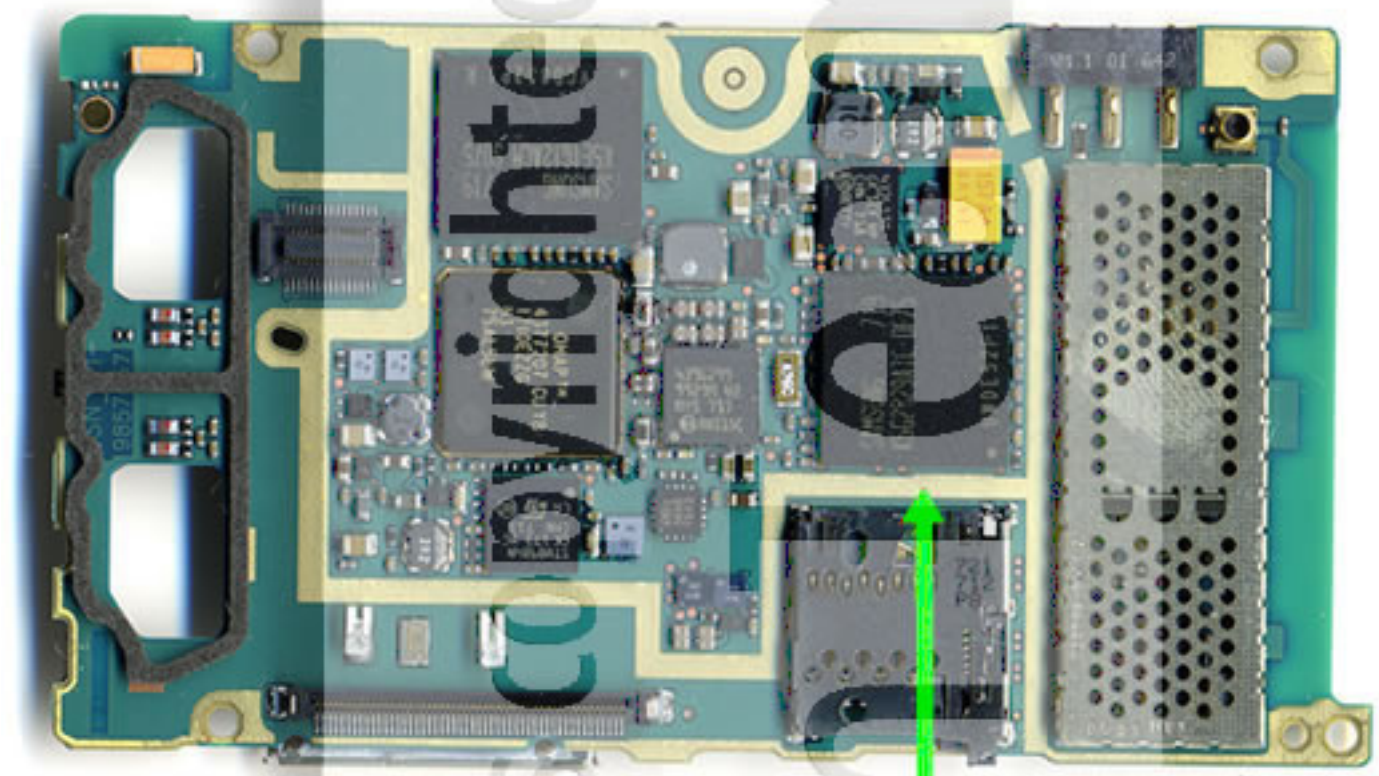
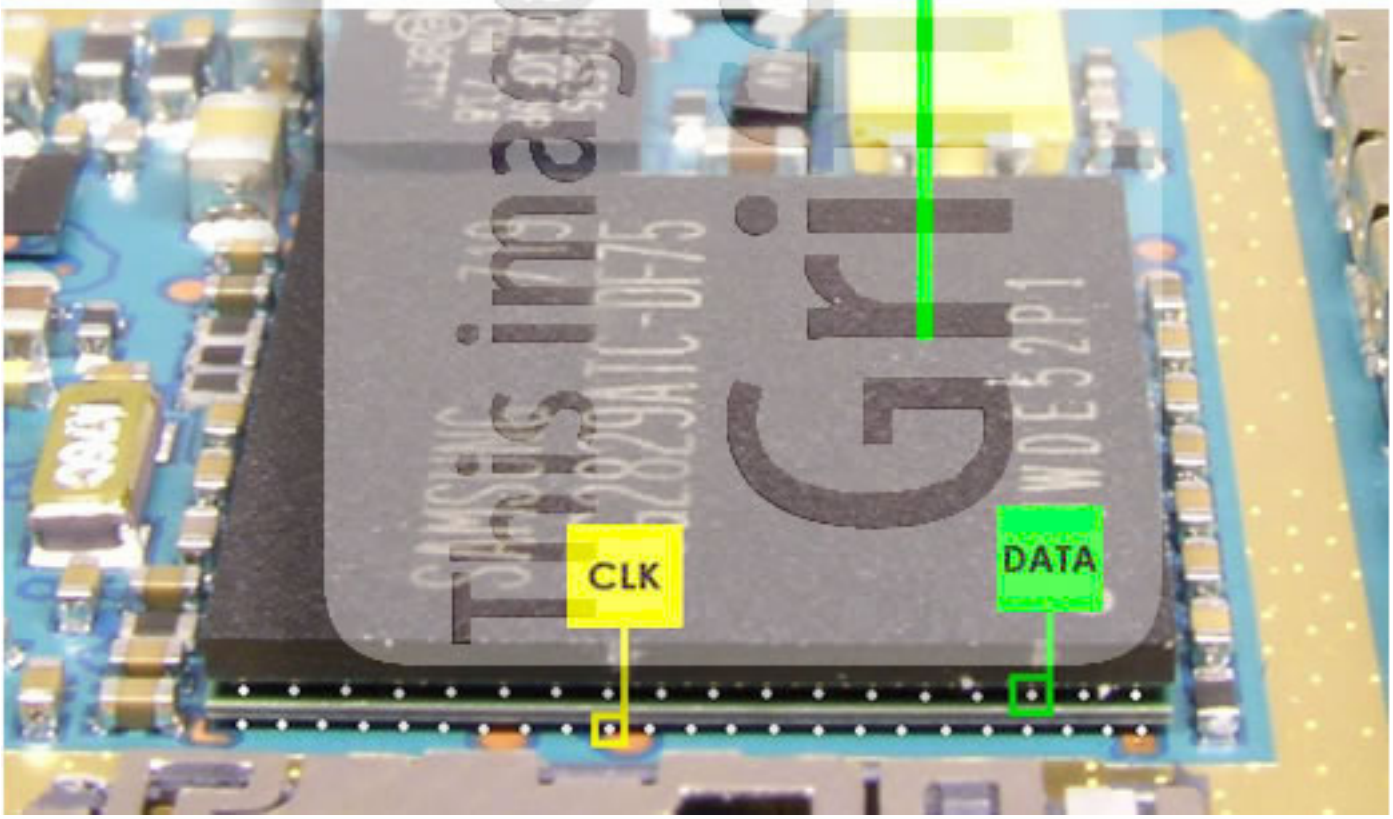
N75





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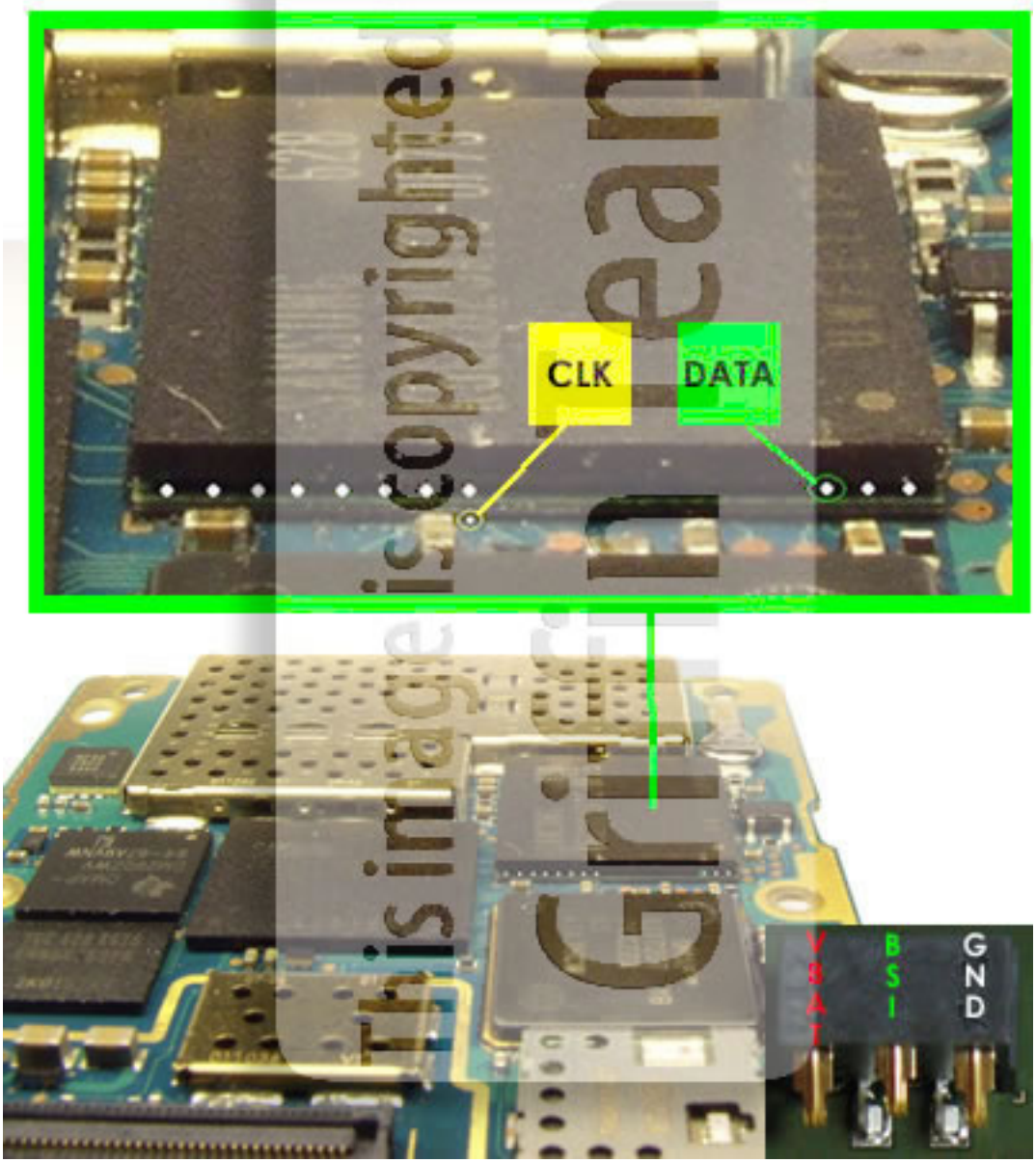
N80



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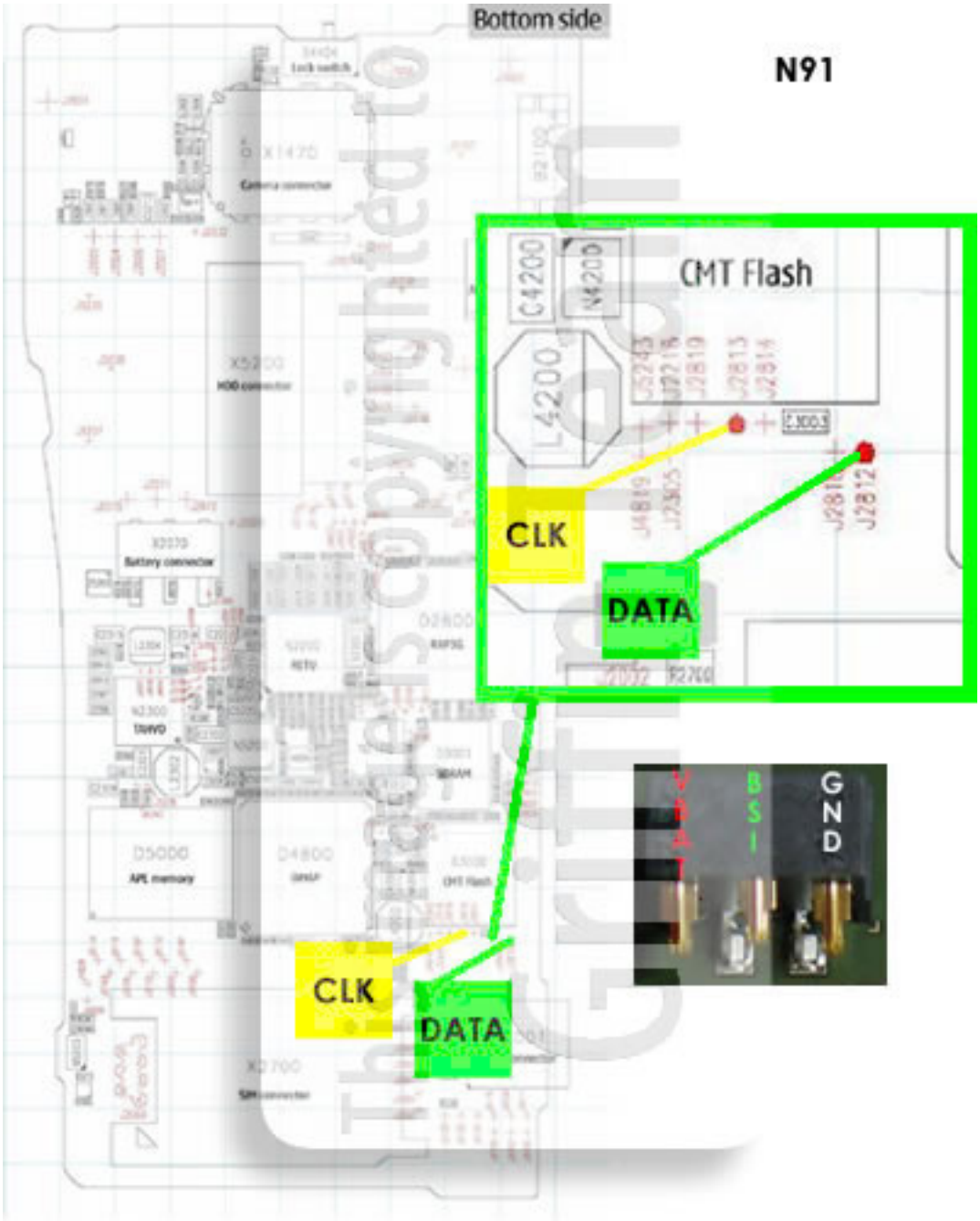
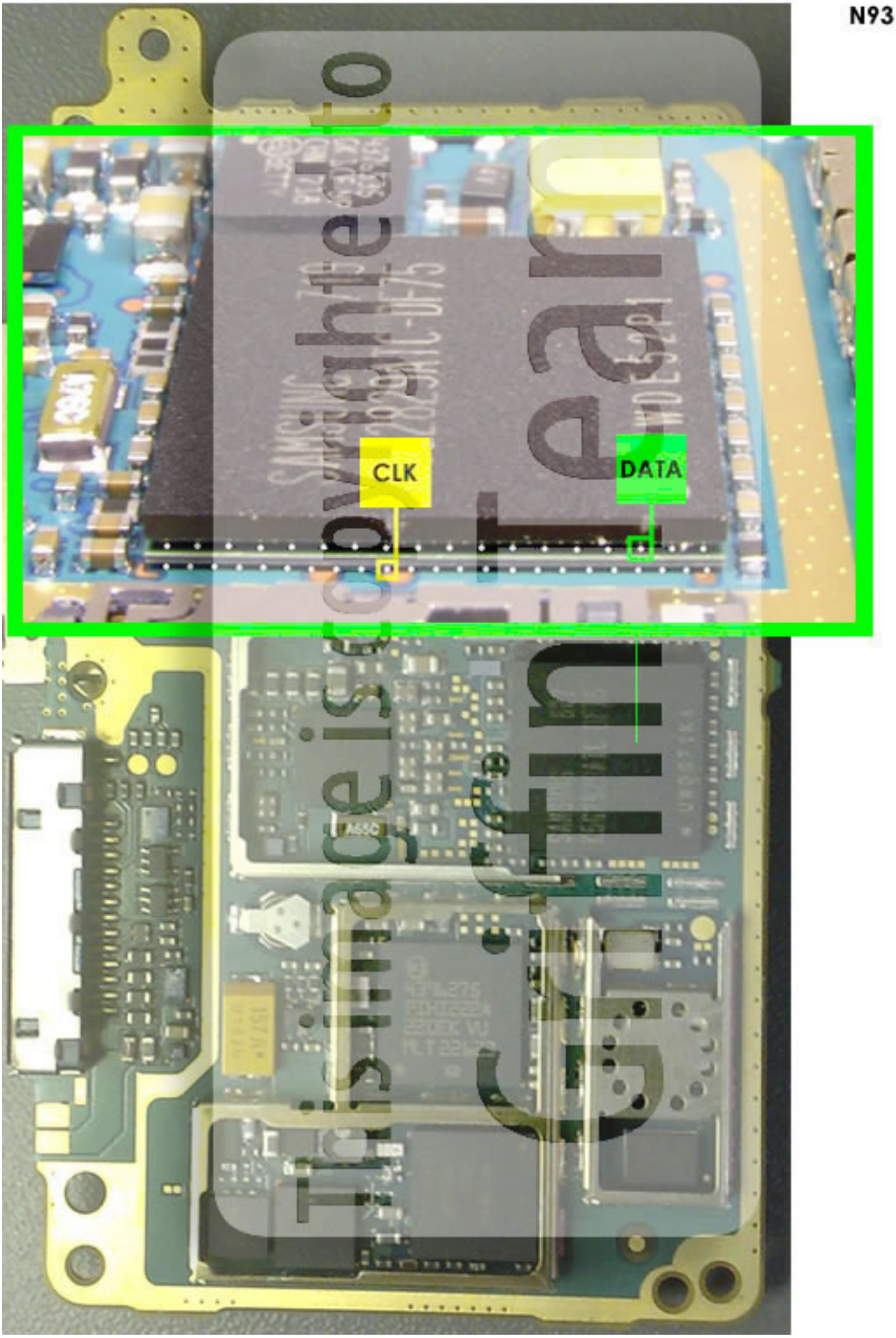
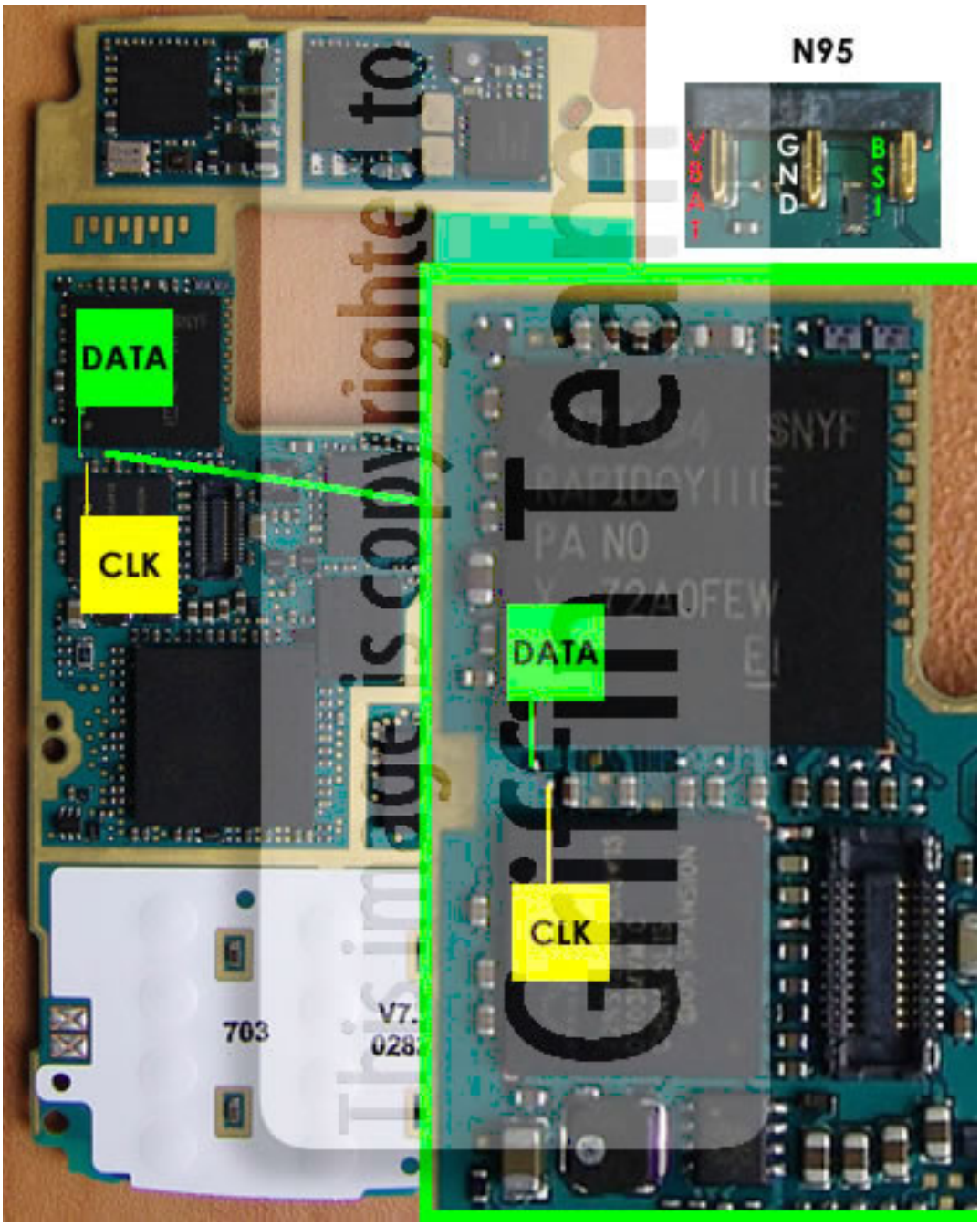

Bottom side
N91
CMT Flash
C4200
L4200
CLK
DATA
CLK
DATA
VBAT
BSI
GND

N93




N95
VBAT
GND
BSI
DATA
CLK
DATA
CLK
703